A. compound selected from the group consisting of: 1,2/-butanediol, 2,3,3-trimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-1,2-butanediol, 2,3,3-trimethyl-; 3.4-2-methyl-; 3,4-hexanediol, methyl-; 2-(1,1-dimethylpropyl)-; 1,3-1,3-propanediol/ 2,3-dimethyl-; pentanediol, propanediol, 2-(1,2-dimethylpropyl)-; 1,3-prøpanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-ethyl-2,3-dimethyl-; 1,3-1,3-but nediol, 2-methyl-2-isopropyl-; 1,3-2-(2-methylpropyl)-; butanediol, 1.4-1,3/butanediol, 3-methyl-2-propyl-; 3-methyl-2-isopropyl-; butanediol, butanediol, 2,2-diethyl-; 1,4-butanediol,/2-methyl-2-propyl-; 1,4-butanediol, 2-(1methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3dimethyl-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-pentanediol, 2,2,3-trimethyl-; 2,3,3-trimethyl-/ 1,5-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, pentanediol, 2,3,3-trimethyl-; 1,3/pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4methyl-; 1,4-pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-1.5-pentanediol, pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2propyl-; 1,4-pentanediol/2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4hexanediol, 2,3-d/methyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 3,3dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-hexanediol, 3,5-dimethyl-; 1,3hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2dimethyl-; 1,5/hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-1,6-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,5dimethyl; hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4-dimethyl-; 2,5-hexanediol, 3,3dimethyl-/2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 4-methyl-; 1,3-heptanediol, 5methyl/; 1,3-heptanediol, 6-methyl-; 1,5-heptanediol, 3-methyl-; 1,5-heptanediol, 5-methyl-; 2.4-1,6-heptanediol, 3-methyl-; 4-methyl-: 1,6-heptanediol, heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 2,%-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2/4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-hexanediol, 3,3,5-trimethyl-;

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1,2-propanediol, 3-(2-B. ether solvent selected from the group consisting of: pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1butyloxy)-; 1,2-propanediol, 3-(iso-amyloxy)-; 1,2-propanediol, 3-(3-methyl-2butyloxy)-; 1,2-propanediol, 3-(cyclohexyloxy)-; 1,2-propanediol, 3-(1-cyclohex-1enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3propanediol, 2-(3-pentyloxy)-; 1,3-propanediol, /2-(2-methyl-1-butyloxy)-; 1,3propanediol, 2-(iso-amyloxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2triethoxylated, 1,2-propanediol, 3-(butyloxy)-, propanediol, 3-(butyloxy)-, 3-(butyloxy)-, pentaethoxylated; 1,2tetraethoxylated; 1,2-propanediol, hexaethoxy/ated; 1,2-propanediol, 3-(butyloxy)-, propanediol, 3-(butyloxy)-, 3-(butyloxy)-, octaethoxylated; heptaethoxylated; 1,2-propanediol, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol/3-(butyloxy)-, dibutyleneoxylated; and 1,2propanediol, 3-(butyloxy)-, tributyleneoxylated; bis(2-hydroxybutyl)ether; and bis(2-hydroxycyclopentyl)ether;

C. unsaturated compounds which are homologs, or analogs, of the following compounds in which each homolog, or analog, contains at least one additional CH₂ group and the total number of hydrogen atoms is kept the same by inserting

one double bond for each additional CH2 group:

I. n-propanol;

II. 2-butanol and/or 2/methyl-2-propanol;

III. 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 1,2-butanediol, 3,3-dimethyl-; 2,3-pentanediol, 2-methyl-; 2,3-pentanediol, 3-methyl-; 2,3-pentanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pentanediol, 2-methyl-; 1,2-pentanediol, 3-methyl-; 1,2-pentanediol, 4-methyl-; and/or 1,2-hexanediol;

could be into

IV. 1,3-propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1-methylpropyl)-; 1,3-propanediol, 2-(2-methylpropyl)-; 1,3-propanediol, 2-methyl-2-propyl-; 1,2-butanediol, 2,3,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-ethyl-3-methyl-; 1,4-butanediol, 2-propyl-; 1,4-butanediol, 2-isopropyl-; 1,5-pentanediol, 2,2-dimethyl-; 1,5-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 3,3-dimethyl-; 2,3-pentanediol, 2,3-dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 2,3-pentanediol, 3,4-dimethyl-; 2,3-pentanediol, 4,4-dimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2-ethyl-; 1,6-hexanediol, 2-methyl-; 1,6-hexanediol, 3-methyl-

Julia!

; 2,3-hexanediol, 2-methyl-; 2,3-hexanediol, 3-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol, 3-methyl-; 1,3-heptanediol; 1,4-; heptanediol; 1,5-heptanediol; and\or 1,6-heptanediol;

V. 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-ethylpropyl)-; 1,3-propanediol, 2-(1-methylbutyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-propanediol, 2-(3-methylbutyl)-; 1,3-propanediol, 2-butyl-2-methyl-; 1,3propanediol, 2-ethyl-2-isopropyl-; 1,3-propanediol, 2-ethyl-2-propyl-; 1,3propanediol, 2-methyl-2-(1-methylpropyl)-; 1,3-propanediol, 2-methyl-2-(2methylpropyl)-; 1,3-propanediol, 2-tertiary-butyl-2-methyl-; 1,3-butanediol, 2,2diethyl-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-butyl-; 1,3butanediol, 2-ethyl-2,3-dimethyl-; 1,3-butanediol, 2-(1,1-dimethylethyl)-; 1,3butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3butanediol, 2-methyl-2-propyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2methyl-2-propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanediol, 2-(1,1dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2-methyl-3-propyl-; 1,4-butanediol, 3-methyl-2-isopropyl-; 1,3-pentanediol, 2,2,3trimethyl-; 1,3-pentanediol, 2,2,4-trimethyl-; 1,3-pentanediol, 2,3,4-trimethyl-; 1,4-1,3-pentanediol, 2,4,4-trimethyl-; 1,3-pentanediol, 3,4,4-trimethyl-; 2,2,4-trimethyl-; 1,4pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 3,3,4-trimethyl-; 1,5pentanediol, 2,3,3-trimethyl-; 1,4-pentanediol, 1,5-2,2,4-trimethyl-; pentanediol, 2,2,3-trimethyl-; 1,5-pentanediol, 2,4pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,3,4-trimethyl-; 1,3-2,3,3-trimethyl-; 2,4-pentanediol, 2,3,4-trimethyl-; pentanediol, 2-ethyl-3-methyl-; 1,3-2-ethyl-2-methyl-; 1,3-pentanediol, pentanediol, 1,3-pentanediol, 3-ethyl-2-methyl-; 1,4pentanediol, 2-ethyl-4-methyl-; 1,4-2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; pentanediol, 2-ethyl-4-methyl-; 3-ethyl-2-methyl-; 1,4pentanediol, 1,4-pentanediol, 2-ethyl-2-methyl-; 1,5-3-ethyl-3-methyl-; 1,5-pentanediol, pentanediol, 2-ethyl-4-methyl-; 1,5-1,5-pentanediol, pentanediol, 2-ethyl-3-methyl-; 3-ethyl-3-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2pentanediol, isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 1,5A the first team to be a first team to the first

pentanediol, 2-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3-hexanediol, 2,2dimethyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol/, 2,4-dimethyl-; 1,3hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5dimethyl-; 1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dj/methyl-; 1,4-hexanediol, 4,5dimethyl-, 1,4-hexanediol, 5,5-dimethyl-, 1,5-hexanediol, 2,2-dimethyl-, 1,5hexanediol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5-hexanediol, 2,5dimethyl-; 1,5-hexanediol, 3,3-dimethyl-; 1/5-hexanediol, 3,4-dimethyl-; 1,5hexanediol, 3,5-dimethyl-; 1,5-hexanediol/4,5-dimethyl-; 1,6-hexanediol, 2,2dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4dimethyl-; 2,4-hexanediol, 2,3-dimethyl-; 2,4-hexanediol, 2,4-dimethyl-; 2,4hexanediol, 2,5-dimethyl-; 2,4-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4dimethyl-; 2,4-hexanediol, 3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4hexanediol, 5,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4dimethyl-; 2,5-hexanediol, 2,5/dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5hexanediol, 3,4-dimethyl-; 2/6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 2ethyl-; 1,3-hexanediol, 4-ethyl-; 1,4-hexanediol, 2-ethyl-; 1,4-hexanediol, 4ethyl-; 1,5-hexanediol, 2/ethyl-; 2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4ethyl-; 2,5-hexanediol, \$\mathcal{B}\$-ethyl-; 1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3-methyl-; 1,3-heptar/ediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3heptanediol, 6-methy/-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3-methyl-; 1,4-heptanediol, 4-methyl-; 1,4-heptanediol, 5-methyl-; 1,4-heptanediol, 6-1,5-heptanediol, 2-methyl-; 1,5-heptanediol, 3-methyl-; methyl-; heptanediol, 4-methyl-; 1,5-heptanediol, 5-methyl-; 1,5-heptanediol, 6-methyl-; 1,6-heptanediøl, 2-methyl-; 1,6-heptanediol, 3-methyl-; 1,6-heptanediol, 4-1,6-heptanediol, 6-methyl-; 5-methyl-; methyl-; 1.6-heptanediol. heptanediol, 2-methyl-; 2,4-heptanediol, 3-methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptar/ediol, 5-methyl-; 2,4-heptanediol, 6-methyl-; 2,5-heptanediol, 2-2,5-heptanediol, 4-methyl-; 2,5-3-methyl-; 2.5-heptanediol. methyl-; heptanedjol, 5-methyl-; 2,5-heptanediol, 6-methyl-; 2,6-heptanediol, 2-methyl-; 2,6-heptanediol, 3-methyl-; 2,6-heptanediol, 4-methyl-; 3,4-heptanediol, 3methyl-/, 3,5-heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-;

heptanediol, 4-methyl-; 2,4-octanediol; 2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;

VI. 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 2,5,5-trimethyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5-hexanediol, 3,3,5-trimethyl-;

VII. Alkoxylated derivatives of C₃₋₈ diols selected from the group consisting of:

1. 1,2-propanediol 2(Me-polyethoxy₁₋₄); /1,2-propanediol polypropoxy4; (Me-polyethoxy₄₋₁₀); 1,2-propanediol, 2-1,2-propanediol, 2-methylmethyl- 2(Me-polyethoxy₁); 1,2-propanediol, 2-methyl- polypropoxy₃; polybutoxy₁; 1,3-propanediol 2(Me-1,2-propanediol, 2-methylpolyethoxy₆₋₈); 1,3-propanediol /polypropoxy₅₋₆; 1,3-propanediol, 2,2diethyl- polyethoxy₁₋₇; 1,3-propanediol, 2,2-diethyl- polypropoxy₁; 1,3propanediol, 2,2-diethyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2,2-dimethyl-2(Me polyethoxy₁₋₂); 1,3-propanediol, 2,2-dimethyl- polypropoxy₃₋₄; 1,3propanediol, 2-(1-methylpropyl)- polyethoxy1-7; 1,3-propanediol, 2-(1polypropoxy₁; 1,3-propanediol, 2-(1-methylpropyl)- nmethylpropyl) $polybutoxy_{1-2}; \ 1,3-propanediol, \ 2-(2-methylpropyl)- \ polyethoxy_{1-7}; \ 1,3-propanediol, \ 2-(2-methylpropyll)- \ polyethoxy_{1-7$ propanediol, 2-(2-meth/plpropyl)- polypropoxy1; 1,3-propanediol, 2-(2n-polybutoxy₁₋₂; 1,3-propanediol, (Me 2-ethylmethylpropyl)polyethoxy₆₋₁₀); 1,**½**-propanediol, 2-ethyl- $2(Me polyethoxy_1); 1,3$ propanediol, 2-ethyl- polypropoxy3; 1,3-propanediol, 2-ethyl-2-methyl-(Me polyethoxy₁/6); 1,3-propanediol, 2-ethyl-2-methylpolypropoxy2; polybutoxy₁; 1,3-propanediol, 2-1,3-propanediol/ 2-ethyl-2-methyl-1,3-propanediol, 2-isopropylpolyethoxy₁₋₆); isopropyl-(Me 1,3-1,3-propanediol, 2-isopropylpolybutoxy₁; polypropoxy2, propanediol/, 2-methyl- 2(Me polyethoxy2-5); 1,3-propanediol, 2-methylpolypropoxy₄₋₅; 1,3-propanediol, 2-methyl- polybutoxy₂; 1,3-propanediol, polyethoxy₂₋₉; 1,3-propanediol, 2-methyl-2-2-methyl-2-isopropylpolypropoxy₁; 1,3-propanediol, 2-methyl-2-isopropylisopropyIpolybytoxy₁₋₃; 1,3-propanediol, 2-methyl-2-propyl- polyethoxy₁₋₇; 1,3propanediol, 2-methyl-2-propyl- polypropoxy1; 1,3-propanediol, 2-methyl-2-pr/pyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2-propyl- (Me polyethoxy₁₋ 4):/1,3-propanediol, 2-propyl- polypropoxy2; 1,3-propanediol, 2-propylpólybutoxy₁;

Conto

2. 1,2-butanediol (Me polyethoxy₂₋₈); 1,2-butanediol polypropoxy₂₋₃; 1,2butanediol polybutoxy₁; 1,2-butanediol, 2,3-dignethyl- polyethoxy₁₋₆; 1,2n-polybutoxy₁/₂; 1,2-butanediol, 2-ethylbutanediol, 2,3-dimethylpolyethoxy₁₋₃; 1,2-butanediol, 2-ethyl- n-polybutoxy₁; 1,2-butanediol, 2methyl- (Me polyethoxy₁₋₂); 1,2-butaned/ol, 2-methyl- polypropoxy₁; 1,2butanediol, 3,3-dimethyl- polyethoxy_{1,6}; 1,2-butanediol, 3,3-dimethyl- npolybutoxy₁₋₂; 1,2-butanediol, 3-methyl-(Me polyethoxy₁₋₂); 1,2butanediol, 3-methyl- polypropoxy 1/, 1,3-butanediol 2(Me polyethoxy 3-6); 1,3-butanediol polypropoxy5; 1,3/butanediol polybutoxy2; 1,3-butanediol, (Me polyethóxy₁₋₃); 1,3-butanediol, 2,2,3-trimethyl-2,2,3-trimethylpolypropoxy₁₋₂; 1,3-butanedi ϕ I, 2,2-dimethyl- (Me polyethoxy₃₋₈); 1,3polypropoxy3; 1,3-butanediol, 2,3-dimethylbutanediol, 2,2-dimethyl-(Me polyethoxy₃₋₈); 1,3-butanediol, 2,3-dimethyl- polypropoxy₃; 1,3-Me polyethoxy₁₋₆); 1,3-butanediol, 2-ethylbutanediol, 2-ethylpolypropoxy2-3; 1,3-butanediol, 2-ethyl- polybutoxy1; 1,3-butanediol, 2-(Me/ polyethoxy₁); 1,3-butanediol, 2-ethyl-2-methylethyl-2-methylpolypropoxy₁; 1,3-butanediol, 2-ethyl-2-methyl- n-polybutoxy₂₋₄; 1,3butanediol, 2-ethyl-3-methyl- (Me polyethoxy₁); 1,3-butanediol, 2-ethyl-3methyl- polypropoxy₁; 1,3-butanediol, 2-ethyl-3-methyl- n-polybutoxy₂₋₄; (Me polyethoxy₁); 1,3-butanediol, 2-1,3-butanediol,/ 2-isopropylisopropyl- polypropoxy₁; 1,3-butanediol, 2-isopropyl- n-polybutoxy₂₋₄; 1,3-butanediol, 2-methyl- 2(Me polyethoxy₁₋₃); 1,3-butanediol, 2-methylpolypropoxy₄; 1,3-butanediol, 2-propyl- polyethoxy₂₋₉; 1,3-butanediol, 2propyl-/polypropoxy₁; 1,3-butanediol, 2-propyl- n-polybutoxy₁₋₃; 1,3butanediol, 3-methyl- 2(Me polyethoxy₁₋₃); 1,3-butanediol, 3-methyl-2(Me polyethoxy₂₋₄); 1,4-butanediol polypropoxy₄; 1,4-butanediol polybutoxy₂; 1,4-butanediol, 2,2,3polypropoxy₄₋₅; 1,4-butanediol trimethyl- polyethoxy2-9; 1,4-butanediol, 2,2,3-trimethyl- polypropoxy1; n-polybutoxy₁₋₃; 1,4-butanediol, 2,2-,4-butanediol, 2,2,3-trimethyl-1,4-butanediol, 2,2-dimethylpolyethoxy₁₋₆); (Me polypropoxy2; 1,4-butanediol, 2,2-dimethyl- polybutoxy1; 1,4-butanediol, polyethoxy₁₋₆); 1,4-butanediol, 2,3-dimethyl-2,3-dimethyl-(Me polypropoxy₂; 1,4-butanediol, 2,3-dimethyl- polybutoxy₁; 1,4-butanediol, 2-ethyl- (Me polyethoxy₁₋₄); 1,4-butanediol, 2-ethyl- polypropoxy₂; 1,4polybutoxy₁; 1,4-butanediol, 2-ethyl-2-methylbutanediol, 2-ethylpolyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-2-methylpolypropoxy₁; 1,4Fig. 1. Street that the street with the street that the street

[3]

butanediol, 2-ethyl-2-methyl- n-polyputoxy₁₋₂; 1,4-butanediol, 2-ethyl-3methyl- polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-3-methyl- polypropoxy₁; 1,4-butanediol, 2-ethyl-3-methyl-/ n-polybutoxy₁₋₂; 1,4-butanediol, 2isopropyl- polyethoxy₁₋₇; 1,4-bu/anediol, 2-isopropyl- polypropoxy₁; 1,4butanediol, 2-isopropyl- n-polybutoxy₁₋₂; 1,4-butanediol, 2-methyl- (Me polyethoxy₆₋₁₀); 1,4-butanedjol, 2-methyl-2(Me polyethoxy₁); 1,4polypropoxy3; 1,4-butanediol, 2-methyl-2-methylbutanediol, polybutoxy₁; 1,4-butanediol/2-propyl- polyethoxy₁₋₅; 1,4-butanediol, 2propyl- n-polybutoxy₁₋₂; 1/4-butanediol, 3-ethyl-1-methyl- polyethoxy₂₋₉; 1,4-butanediol, 3-ethyl-1-methyl- polypropoxy1; 1,4-butanediol, 3-ethyl-1n-polybutoxy₁/₃; 2,3-butanediol (Me polyethoxy₆₋₁₀); 2,3methyl-2(Me polyethoxy₁); 2,3-butanediol polypropoxy₃₋₄; 2,3butanediol butanediol polybutoxy1; 2,3-butanediol, 2,3-dimethyl- polyethoxy3-9; 2,3butanediol, 2,3-dimethyl- polypropoxy1; 2,3-butanediol, 2,3-dimethyl- npolybutoxy₁₋₃; 2,**3**-butanediol, 2-methyl-(Me polyethoxy₁₋₅); 2,3-2-methyl-2-methylpolypropoxy2; 2,3-butanediol, butanediol, polybutoxy₁;

1,2-pentanediøl polyethoxy₃₋₁₀; 1,2-pentanediol, polypropoxy₁; 1,2pentanediol, / n-polybutoxy₂₋₃; 1,2-pentanediol, 2-methyl polyethoxy₁₋₃; 1,2-pentanediol, 2-methyl n-polybutoxy₁; 1,2-pentanediol, 2-methyl polybutox/1; 1,2-pentanediol, 3-methyl polyethoxy1-3; 1,2-pentanediol, 3methyl /n-polybutoxy₁; 1,2-pentanediol, 4-methyl polyethoxy₁₋₃; 1,2pentanédiol, 4-methyl n-polybutoxy1; 1,3-pentanediol 2(Me-polyethoxy1-2); 1,8-pentanediol polypropoxy3-4; 1,3-pentanediol, 2,2-dimethyl- (Mepolyethoxy₁); 1,3-pentanediol, 2,2-dimethylpolypropoxy₁; 1,3-1,3-pentanediol, 2,3pertanediol, 2,2-dimethyln-polybutoxy₂₋₄; 2,3-dimethyl-(Me-polyethoxy₁); 1,3-pentanediol, Selypropoxy₁; 1,3-pentanediol, 2,3-dimethyln-polybutoxy₂₋₄; 1,3-(Me-polyethoxy₁); 1,3-pentanediol, 2,4pentanediol, 2,4-dimethyldimethyl- polypropoxy₁; 1,3-pentanediol, 2,4-dimethyl- n-polybutoxy₂₋₄; polyethoxy₂₋₉; 1,3-pentanediol, 2-ethyl-1,3-pentanediol, 2-ethylpolypropoxy₁; 1,3-pentanediol, 2-ethyl- n-polybutoxy₁₋₃; 1,3-pentanediol, 1,3-pentanediol, 2(Me-polyethoxy₁₋₆); 2-methylpolypropoxy₂₋₃; 1,3-pentanediol, 2-methyl- polybutoxy₁; 1,3-pentanediol, (Me-polyethoxy₁); 1,3-pentanediol, 3,4-dimethyl-3,4-dimethylpolypropoxy₁; 1,3-pentanediol, 3,4-dimethyln-polybutoxy₂₋₄; 1,3"

pentanediol, 3-methyl- (Me-polyethoxy₁₋₆); 1,3-pentanediol, 3-methylpolypropoxy₂₋₃; 1,3-pentanediol, 3-methyl- polybutoxy₁; 1,3-pentanediol, 1,3-pentanediol, 4,4-dimethyl-(Me-polyethoxy₁); 4,4-dimethylpolypropoxy₁; 1,3-pentanediol, 4,4-dimethyln-polybutoxy₂₋₄; 1,3pentanediol, 4-methyl- (Me-polyethoxy₁/₆); 1,3-pentanediol, 4-methylpolypropoxy₂₋₃; 1,3-pentanediol, 4-methyl- polybutoxy₁; 1,4-pentanediol, $2(Me-polyethoxy_{1-2}); 1,4-pentanediol/polypropoxy_{3-4}; 1,4-pentanediol,$ 2,2-dimethyl-1,4-pentanediol, (Me-polyethoxy1)/ polypropoxy₁; 1,4-pentanediol, 2,2-dimethyln-polybutoxy₂₋₄; 1,4-(Mé-polyethoxy₁); 1,4-pentanediol, 2,3pentanediol, 2,3-dimethyldimethyl- polypropoxy₁; 1,4-pen/tanediol, 2,3-dimethyl- n-polybutoxy₂₋₄; (Me-polyethoxy₁); 1,4-pentanediol, 2,4-1,4-pentanediol, 2,4-dimethyldimethyl- polypropoxy₁; 1,4-pentanediol, 2,4-dimethyl- n-polybutoxy₂₋₄; (Me-polyethoxy₁₋₆); 1,4-pentanediol, 2-1,4-pentanediol, 2-methylmethyl- polypropoxy₂₋₃; 1/4-pentanediol, 2-methyl- polybutoxy₁; 1,4-(Me-polyethoxy₁); 1,4-pentanediol, 3,3pentanediol, 3,3-dimethy/ dimethyl- polypropoxy₁;/1,4-pentanediol, 3,3-dimethyl- n-polybutoxy₂₋₄; 1,4-pentanediol, 3,4-dignethyl- (Me-polyethoxy₁); 1,4-pentanediol, 3,4dimethyl- polypropoxy1; 1,4-pentanediol, 3,4-dimethyl- n-polybutoxy2-4; 2(Me-polyethoxy₁₋₆); 1,4-pentanediol, 3-1,4-pentanediol, 3-methylmethyl- polypropoxy₂₋₃; 1,4-pentanediol, 3-methyl- polybutoxy₁; 1,4pentanediol, 4-methyl- 2(Me-polyethoxy₁₋₆); 1,4-pentanediol, 4-methylpolypropoxy₂₋₃;/1,4-pentanediol, 4-methyl- polybutoxy₁; 1,5-pentanediol, 1,5-2(Me-polyethoxy₁); 1,5-pentanediol (Me-polyethox $\sqrt{4-10}$); pentanediol polypropoxy3; 1,5-pentanediol, 2,2-dimethyl- polyethoxy1-7; polypropoxy₁; 1,5-pentanediol, 2,2-1,5-pentanediol, 2,2-dimethyldimethyl- h-polybutoxy₁₋₂; 1,5-pentanediol, 2,3-dimethyl- polyethoxy₁₋₇; polypropoxy₁; 1,5-pentanediol, 2,3-1,5-pentanediol, 2,3-dimethyldimethy/- n-polybutoxy₁₋₂; 1,5-pentanediol, 2,4-dimethyl- polyethoxy₁₋₇; polypropoxy₁; 1,5-pentanediol, 2,4-1,5-pentanediol, 2,4-dimethyldimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-ethyl- polyethoxy₁₋₅; 1,5pentanediol, 2-ethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-methyl- (Mepolypropoxy2; 1,5-2-methyl-1,5-pentanediol, polyethoxy₁₋₄); pentanediol, 3,3-dimethyl- polyethoxy₁₋₇; 1,5-pentanediol, 3,3-dimethyln-polybutoxy₁₋₂; 1,5bolypropoxy₁; 1,5-pentanediol, 3,3-dimethylpentanediol, 3-methyl- (Me-polyethoxy 1,4); 1,5-pentanediol, 3-methyl-

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(Me-polyethoxy₁₋₃); 2,3-pentanediol, polypropoxy₂; 2,3-pentanediol, polypropoxy₂; 2,3-pentanediol, 2-methyl- polyethoxy $_{1-7}$; 2,3-pentanediol, 2-methyl-polypropoxy₁; 2,3-pentanediol, 2-methyl-n-polybutoxy₁₋₂; 2,3pentanediol, 3-methylpolyethoxy₁₋₇; 2,3/pentanediol, 3-methyl-2,3-pentanediol, 3-methyln-polybutoxy₁₋₂; 2,3polypropoxy₁; pentanediol, 4-methyl-/2,3-pentanediol, 4-methylpolyethoxy₁₋₇; 2,3-pentanediol, 4-methyln-polybutoxy₁₋₂; polypropoxy₁; pentanediol, 2(Me-polyethoxy₁₋₄); 2,4-pentanediol polypropoxy₄; 2,4-(Me-polyethoxy₁₋₄); 2,4-pentanediol, 2,3pentanediol, 2,3-dimethyldimethyl- polypropoxy2; 2,4-pentanediol, 2,4-dimethyl- (Me-polyethoxy1-4); 2,4-pentanediol, 2,4-dimethyl-/ polypropoxy2; 2,4-pentanediol, 2methyl- (Me-polyethoxy₅₋₁₀); 2,**4**-pentanediol, 2-methyl- polypropoxy₃; 2,4-pentanediol, 3,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediol, 3,3dimethyl- polypropoxy₂; 2,4-pentanediol, 3-methyl- (Me-polyethoxy₅₋₁₀); 2,4-pentanediol, 3-methyl- polypropoxy3;

4. 1,3-hexanediol (Me-polyethoxy₁₋₅); 1,3-hexanediol polypropoxy₂; 1,3hexanediol polybutoxy₁;/1,3-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,3hexanediol, 2-methylpolypropoxy₁; 1,3-hexanediol, 2-methylpolybutoxy₁₋₃; 1,3-hexánediol, 2-methyl- polybutoxy₁; 1,3-hexanediol, 3methyl- polyethoxy 2-9; 1,3-hexanediol, 3-methyl- polypropoxy 1, 1,3hexanediol, 3-met/hyln-polybutoxy₁₋₃; 1,3-hexanediol, 4-methylpolyethoxy₂₋₉; 1,**3**-hexanediol, 4-methyl- polypropoxy₁; 1,3-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,3-hexanediol, 5-methyl- polyethoxy₂₋₉; 1,3polypropoxy₁; 1,3-hexanediol, 5-methylhexanediol, 5/methyl-(Me-polyethoxy₁₋₅); 1,4-hexanediol polybutoxy₁₋₂; 1,4-hexanediol polypropox $\sqrt{2}$; 1,4-hexanediol polybutoxy₁; 1,4-hexanediol, 2-methylpolyethoxy2-9; 1,4-hexanediol, 2-methyl- polypropoxy1; 1,4-hexanediol, 2-methyl/ n-polybutoxy₁₋₃; 1,4-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,4polypropoxy₁; 1,4-hexanediol, 3-methylhexanediol, 3-methylpolybytoxy₁₋₃; 1,4-hexanediol, 4-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 4-methyl- polypropoxy₁; 1,4-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,4hexanediol, 5-methylpolyethoxy₂₋₉; 1,4-hexanediol, 5-methylpg/ypropoxy₁; 1,4-hexanediol, 5-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol (Me-polyethoxy₁₋₅); 1,5-hexanediol polypropoxy₂; 1,5-hexanediol bolybutoxy₁; 1,5-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 2methyl-polypropoxy₁; 1,5-hexanediol, 2-methyl-n-polybutoxy₁₋₃; 1,5-

1,5-hexanediol, 3-methylpolyethoxy2-9; hexanediol, 3-methylpolypropoxy₁; 1,5-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol, 4-methyl- polyethoxy2-9; 1,5-hexanediol, 4-methyl- polypropoxy1; 1,5-1,5-hexanediol, 5-methyln-polybutoxy₁₋₃; hexanediol, 4-methylpolyethoxy2-9; 1,5-hexanediol, 5-methyl- polypropoxy1; 1,5-hexanediol, n-polybutoxy₁₋₃; 1,6-hexanedig (Me-polyethoxy₁₋₂); 1,6-5-methyln-polybutoxy₄; 1,6polypropoxy₁₋₂; 1,6-hexagediol hexanediol polyethoxy₁₋₅; /1,6-hexanediol, 2-methylhexanediol, 2-methylpolybutoxy₁₋₂; 1,6-hexanediol, 3-methy/- polyethoxy₁₋₅; 1,6-hexanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3-hexanediol polyethoxy₁₋₅; 2,3-hexanediol pólybutoxy₁; 2,4-hexanediol n-polybutoxy₁; 2,3-hexanediol polyethoxy3-8); 2,4-hexanediol polypropoxy3; 2,4-hexanediol, 2-methylpolypropoxy₁₋₂; 2,4-(Me-polyethoxy₁₋₂); 2,4-hexanediol 2-methyl-(Me-pølyethoxy₁₋₂); 2,4-hexanediol 3-methylhexanediol, 3-methylpolypropoxy₁₋₂; 2,4-hexanediól, 4-methyl- (Me-polyethoxy₁₋₂); 2,4hexanediol 4-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 5-methyl- (Mepolyethoxy₁₋₂); 2,4-hexanediol 5-methyl- polypropoxy₁₋₂; 2,5-hexanediol (Me-polyethoxy₃₋₈); 2,5-yexanediol polypropoxy₃; 2,5-hexanediol, 2methyl- (Me-polyethox $/_{1-2}$); 2,5-hexanediol 2-methyl- polypropoxy $_{1-2}$; 2,5-hexanediol, 3-met/fyl- (Me-polyethoxy₁₋₂); 2,5-hexanediol 3-methylpolypropoxy₁₋₂; 3,4/hexanediol polyethoxy₁₋₅; 3,4-hexanediol polybutoxy₁; 3,4-hexanediol polybutoxy₁;

polypropoxy₁; 1,3polyethoxy₁₋₇; 1,3-heptanediol 1,3-heptanediol 1,4n-polybutoxy₁₋₂; 1,4-heptanediol polyethoxy₁₋₇; heptanediol 1,5polypropoxy₁; 1,4-heptanediol n-polybutoxy₁₋₂; heptanediol 1,5polypropoxy₁; polyethoxy₁₋₇; 1,5-heptanediol heptanediol 1,6n-polybutoxy₁₋₂; 1,6-heptanediol polyethoxy₁₋₇; heptanedio/ 1,7polypropoxy₁; 1,6-heptanediol n-polybutoxy₁₋₂; heptanediol 2,4n-polybutoxy₁; 1,7-heptanediol heptanediol polyethoxy₁₋₂; polyethoxy₃₋₁₀; 2,4-heptanediol (Me-polyethoxy₁); 2,4heptanédiol 2,5n-polybutoxy3; 2,4-heptanediol heptanediol polypropoxy₁; (Me-polyethoxy₁); 2,5polyethoxy₃₋₁₀; 2,5-heptanediol heptanediol n-polybutoxy3; 2.6heptanediol polypropoxy₁; 2,5-heptanediol (Me-polyethoxy₁); 2,6polyethoxy₃₋₁₀; 2,6-heptanediol heptanediol 3,5-2,6-heptanediol n-polybutoxy3; heptanediol polypropoxy₁;

heptanediol polyethoxy₃₋₁₀; 3,5-heptanediol (Me-polyethoxy₁); 3,5heptanediol polypropoxy₁; 3,5-heptanediol n-polybutoxy₃;

polypropoxy₁; 2,4-pentanediol, 6. 1,3-butanediol, 3-methyl-2-isopropyl-2,3,3-trimethyl- polypropoxy₁; 1,3-butanediol, 2,2-diethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,3-dimethylpolyethox $\sqrt{2-5}$; 2,4-hexanediol, 2,4dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, **2**,5-dimethyl- polyethoxy₂₋₅; polyeth ϕ xy₂₋₅; 2,4-hexanediol, 3,4-2,4-hexanediol, 3,3-dimethyldimethyl- polyethoxy₂₋₅; 2,4-hexanediol/ 3,5-dimethyl- polyethoxy₂₋₅; polyethoxy₂₋₅; 2,4-hexanediol, 5,5-2,4-hexanediol, 4,5-dimethyldimethyl- polyethoxy₂₋₅; 2,5-hexaned/ol, 2,3-dimethyl- polyethoxy₂₋₅; polyethoxy₂₋₅; 2,5-hexanediol, 2,5-2,5-hexanediol, 2,4-dimethyldimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,3-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 3,5-heptanediol, 3-methylpolyethoxy₂₋₅; 1,3-butanediol, **⊉**,2-diethyln-polybutoxy₁₋₂; 2,4hexanediol, 2,3-dimethyl- n-poly/butoxy₁₋₂; 2,4-hexanediol, 2,4-dimethyln-polybutoxy₁₋₂; 2,4-hexanediøl, 2,5-dimethyln-polybutoxy₁₋₂; 2,4hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,4-dimethyln-polybutoxy₁₋₂; 2,4-hexan¢diol, 3,5-dimethyln-polybutoxy₁₋₂; 2,4hexanediol, 4,5-dimethyl- f-polybutoxy₁₋₂; 2,4-hexanediol, 5,5-dimethyl-, n-polybutoxy₁₋₂; 2,5-hex/anediol, 2,3-dimethyln-polybutoxy₁₋₂; 2,5hexanediol, 2,4-dimethy/ n-polybutoxy₁₋₂; 2,5-hexanediol, 2,5-dimethyln-polybutoxy₁₋₂; 2,5-h/exanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,5hexanediol, 3,4-dimethyl- n-polybutoxy₁₋₂; 3,5-heptanediol, 3-methyl- npolybutoxy₁₋₂; 1,3-propanediol, 2-(1,2-dimethylpropyl)- n-polybutoxy₁; 1,3-butanediol, 2-ethyl-2,3-dimethyl- n-polybutoxy₁; 1,3-butanediol, 2methyl-2-isopropy/- n-polybutoxy1; 1,4-butanediol, 3-methyl-2-isopropyln-polybutoxy₁; 1,3-pentanediol, 2,2,3-trimethyln-polybutoxy₁; 1,3n-polybutoxy₁; 1,3-pentanediol, 2,4,4pentanediol, 2,2,4-trimethyltrimethyl- n-po/ybutoxy₁; 1,3-pentanediol, 3,4,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,2,3-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,2,4trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,3,3-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy₁; 1,4-pentanediol, 3,3,4trimethyl- n/polybutoxy₁; 2,4-pentanediol, 2,3,4-trimethyl- n-polybutoxy₁; 2,4-hexanediol, 4-ethyl- n-polybutoxy1; 2,4-heptanediol, 2-methyl- npolybutoxy√; 2,4-heptanediol, 3-methyl- n-polybutoxy₁; 2,4-heptanediol, 4-methyl- In-polybutoxy₁; 2,4-heptanediol, 5-methyl- n-polybutoxy₁; 2,4-

heptanediol, 6-methyln-polybutoxy₁; 2,5-heptanediol, 2-methylpolybutoxy₁; 2,5-heptanediol, 3-methyl- n-polybutoxy₁; 2,5-heptanediol, 4-methyl- n-polybutoxy₁; 2,5-heptanediol, 5-m/ethyl- n-polybutoxy₁; 2,5heptanediol, 6-methyl- n-polybutoxy₁; 2,6/heptanediol, 2-methylpolybutoxy₁; 2,6-heptanediol, 3-methyl- n-polybutoxy₁; 2,6-heptanediol, 4-methyl- n-polybutoxy₁; 3,5-heptanediol,/2-methyl- n-polybutoxy₁; 1,3polyethoxy₁₋₃; 1,3-butanediol, 2propanediol, 2-(1,2-dimethylpropyl)ethyl-2,3-dimethyl-polyethoxy₁₋₃; 1,3/butanediol, 2-methyl-2-isopropylpolyethoxy₁₋₃; 1,4-butanediol, 3-methyl-2-isopropyl- polyethoxy₁₋₃; 1,3pentanediol, 2,2,3-trimethylpolyethoxy₁₋₃; 1,3-pentanediol, 2,2,4trimethyl- polyethoxy₁₋₃; 1,3-penta/hediol, 2,4,4-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 3,4,4-trimethyl-/polyethoxy₁₋₃; 1,4-pentanediol, 2,2,3trimethyl- polyethoxy₁₋₃; 1,4-pe/tranediol, 2,2,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,3-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,4trimethyl- polyethoxy₁₋₃; 1,4/pentanediol, 3,3,4-trimethyl- polyethoxy₁₋₃; 2,4-pentanediol, 2,3,4-trimethyl- polyethoxy₁₋₃; 2,4-hexanediol, 4-ethyl-2,4-heptanediol, polyethoxy₁₋₃; 2-methylpolyethoxy₁₋₃; polyethoxy₁₋₃; 2,4-heptanediol, 4-methylheptanediol, 3-methyl-, 2,4-heptanediol, 5-methylpolyethoxy₁₋₃; polyethoxy₁₋₃; 2,4polyethoxy₁₋₃; 2,5-heptanediol, 2-methylheptanediol, 6-methyl-2,5polyethoxy₁₋₃; 2,**\$**-heptanediol, 3-methylpolyethoxy₁₋₃; polyethoxy₁₋₃; 2,5-heptanediol, 5-methylheptanediol, 4-methyl-/2,5-heptanediol, 6-methylpolyethoxy₁₋₃; 2.6polyethoxy₁₋₃; heptanediol, 2/methylpolyethoxy₁₋₃; 2,6-heptanediol, 3-methylpolyethoxy₁₋₃;/2,6-heptanediol, 4-methylpolyethoxy₁₋₃; and/or 3,5heptanediol, 2/methyl-polyethoxy₁₋₃;

mixtures the reof; and

VIII. aromatic dols selected from the group consisting of: 1-phenyl-1,2-ethanediol; 1-phenyl-1,2-propanediol; 2-phenyl-1,2-propanediol; 1-(3-methylphenyl)-1,3-propanediol; 1-(4-methylphenyl)-1,3-propanediol; 1-phenyl-1,3-butanediol; 3-phenyl-1,3-butanediol; 1-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; and/or 1-phenyl-2,3-butanediol; and mixtures thereof; and

IX. mixtures thereof;

with the exception of the following specific unsaturated compounds: 3,7-Octadiene-2,5-diol, 2,7-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-

,D

Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; Hexene-3,4-diol, 5,5-dimethyl-; 6-Heptene-1,4-d/ol, 4-methyl-; 4-Octene-3,6-diol; 4-Octene-3,6-diol; 3-Octene-1,2-diol; 3-Nonene-2,5-diol; 7-Nonene-4,5-diol; 7-Nonene-4,5-diol; 6-Nonene-2,3-diol; 6-Heptene-2,4-diol, 5-methyl-; 6-Octene-1,2-2,7-Octagliene-1,6-diol, 2.6-dimethyl-; 1,3-7-methyl-3-methylene-; diol, 3-Propanediol, 2-(2-methylenepentyl)-; 3-Heptene-2,6-diol, 2.6-dimethyl-; Heptene-2,6-diol, 2,6-dimethyl-; 5-Hexene-2,4-diol, 3,5-dimethyl-; 4-Hexene-1,2diol, 2,5-dimethyl-; 4-Hexene-1,2-djól, 2,5-dimethyl-; 7-Octene-1,6-diol; 2-Hexene-1,4-diol, 2,5-dimethyl-; 2-Hexene-1,4-diol, 2,5-dimethyl-; 1,4-Hexanediol, 5-methyl-2-methylene-; 4-Octene-2,3-diol; Nonene-1,4-diol; 6-Heptene-1,4-diol, 4-methyl-; 6-Octene-3,5-diol, 4-methyl-; 2,6-Octadiene-1,8-diol, 2,6-dimethyl-; (8-Hydroxygeraniol); 1-Heptene-3,6-diol, 2,4-dimethyl- 2,4-Hexanediol, 5-methyl-3methylene-; 2,4-Hexanediol,/ 5-methyl-3-methylene-; 5-Hexene-2,4-diol, 3ethenyl-2,5-dimethyl-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 6-Heptene-2,4diol. 5-methyl-: 4,9-Decadiene-1,8-diol; 5-Hexene-1,3-diol, 2,4-dimethyl-; 7-Octene-1,3-diol, 2-methyl/; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; A-Nonene-2,8-diol; 4-Nonene-2,8-diol; 5-Hexene-2,3-diol, 2-Butene-1,4-diol, 2-butyl-; 2,4-Hexadiene-1,6-diol, 3-(1,1-2,3-dimethyl-; dimethylethyl)-; 6-Octene-1,4-diol, 7-methyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 6-Heptene-1,4-diol, 5/6-dimethyl-; 7-Octene-2,5-diol, 7-methyl-; 7-Octene-2,5-diol, 7-methyl-; 4-Hexene-1,3-diol, 2,4-dimethyl-; 4-Octene-2,7-diol; 4-Octene-2,7-diol; 3-Heptene-1,2-diol, 5-methyl-; 3-Heptene-1,2-diol, 5-methyl-; 3,7-Octadiene-2,6diol, 2,6-dimethyl-; 8-Nonene-1,7-diol; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 5-Hexene-1,4-dipl, 2,4-dimethyl-; 1-Heptene-3,4-diol, 6-methyl-; 3-Heptene-1,5-diol, 4,6-dimethyl-/ 3-Octene-1,5-diol, 4-methyl-; 3,9-Decadiene-1,2-diol; 7-Octene-2,3-diol, 2/methyl-; 7-Octene-2,3-diol, 2-methyl-; 6-Nonene-2,3-diol; 2,5-Hexanedio//, 3-methyl-4-methylene-; 6-Heptene-1,4-diol, 2-methyl-; 6-Octene-1,5diol; 1-Octene-3,4-diol; 7-Octene-1,6-diol, 5-methyl-; 7-Octene-1,6-diol, 5-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methylethenyl)-; 1,3-Pentanediol, 2-ethenyl-4,4dimethyl-; 3,5-Octanediol, 4-methylene-; 3,5-Octanediol, 4-methylene-; 6-Hepter/e-2,3-diol, 2-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 6-Heptene-2,3diol, /2-methyl-; 7-Octene-1,3-diol, 4-methyl-; 1,3-Butanediol, 2-methyl-2-(1meth/yl-2-propenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1-Nonene-3,4-diol; 5-Heptene-1,2-diol, 3-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 6-Heptene-1,3/diol, 2,2-dimethyl-; 4-Nonene-1,3-diol; 1,4-Pentanediol, 3-methyl-2-(2The first state of the first sta

8-Nonene-1,2-diol; /3-Octene-1,2-diol; 1-Nonene-3,4-diol; propenyl)-; Decadiene-4,6-diol; 1,9-Decadiene-4,6-diol; 5-Hexene-1,3-diol, 2,2-dimethyl-; 1,3-Propanediol, 2-(1-pentenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; 1,3-Propanediol, 2-(3-methyl-1-butenyl)-; 8-Nonene-1, \$\mathcal{B}\$-diol; 2,4-Octadiene-1,8-diol, 2,7-dimethyl-; 5-Heptene-1,2-diol, 6-methyl-; 3,9/Decadiene-1,2-diol; 3-Nonene-1,2-diol; 6-Nonene-1,2-diol; 4-Hexene-1,3-diol, **2**,4-dimethyl-; 2,4-Octadiene-1,7diol. 3,7-dimethyl-; 4-Hexene-2,3-diol, 3,4-d/methyl-; 4-Hexene-2,3-diol, 3,4dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; /4-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3diol, 3,4-dimethyl-; 1,3-Butanediol, 2-methyl-2-(2-propenyl)-; 6-Heptene-2,5-diol, 4.6-dimethyl-: 6-Heptene-1.5-diol. 6-methyl-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 1,5-Pentanediol, 2-(2-propenyl)-; 5-Hexene-2,3-diol, 3,5-dimethyl-; 5-Hexene-2,3diol. 3.5-dimethyl-; Nonenediol; Octenediol; 5-Hexene-1,3-diol, 3,5-dimethyl-; 4-Nonene-1,8-diol; 4-Nonene-1,7-diol; 4-Nonene-1,6-diol; 6-Nonene-1,4-diol; 2-Nonene-1,4-diol; 8-Nonene-2,5-diól; 5-Heptene-1,2-diol, 2-ethenyl-6-methyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 5-Heptene-2,3-diol, 2,6-dimethyl-; 1-Heptene-3,5diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 7-Octene-1,3-diol, 7-methyl-: 1,3-Propanediol, 2-methy/2-(3-methyl-3-butenyl)-; 5-Heptene-1,2-diol, 2,6dimethyl-; 5,7-Octadiene-2/3-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3-diol, 2,6dimethyl-; 5-Hexene-1,2-djól, 2-ethyl-; 2,4-Nonadiene-4-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,6,7-d3-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,7-diol, 6-methyl-; 7-1,3-Butanediol, 2-m/ethyl-6-methylene-; 3-methyl-2-(4-Octene-2,3-diol, pentenylidene)-; 1,3-\(\beta\) utanediol, 3-methyl-2-(4-pentenylidene)-; 2-Hexene-1,4diol, 5,5-dimethyl-; /2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Nonene-1,4-diol; 2-Nonene-1,4-diol; 7-Øctene-2,3-diol, 2-methyl-6-methylene-; 5-Octene-1,3-diol; 7-Octene-1,3-diol, 2/methyl-; 4-Heptene-1,3-diol, 2-methyl-; 4-Octene-2,3-d2-1,2diol; 4-Octene-2, \$\frac{1}{2}\$-d2-1,2-diol; 5-Heptene-1,2-diol, 3-methyl-; 5-Octene-1,2-diol; 3,7-Octadiene-1/6-diol, 2,6-dimethyl-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 5-Heptene-1,3-diol, 2-methyl-; 5-Heptene-1,3-diol, 2-methyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-/ 3-Hexene-1,6-diol, 3,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2-Heptene-1,5diol, 6-methyl-; 2-Heptene-1,5-diol, 6-methyl-; 8,9-Decadiene-3,5-diol; 8,9-Decadiene-3,5-diol; 4,6-Nonadiene-1,3-diol, 8-methyl-; 3,5-Nonadiene-1,7-diol, 8-

methyl-; 5-Heptene-1,3-diol, 2,4-dimethyl-; 2-Monene-1,9-diol; 2-Nonene-1,9-diol; 2-ethyl-2-(2-propenyl)-; 3/Heptene-1,5-diol, 6-methyl-; 1,3-Butanediol, 2-ethenyl-4-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; Pentanediol, Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexer/e-2,3-diol, 2,3,4-trimethyl-; 4-Pentene-1,2-diol, 2,3,3-trimethyl-; 1,3-Propanediol, 2-(2-methyl-2-propenyl)-2-(2-propenyl)-; 1,3-Propanediol, 2-(2-butenyl)-2-(2-propenyl)-; 5-Hexene-1,2-diol, 2-ethyl-; 1,4-Butanediol, 2-(4-methyl-3-pentenyligene)-; 6-Heptene-1,3-diol, 2-methyl-; 2,6-Octadiene-1,8-diol-2-13C, 2,6-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Nonene-3,4-diol; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 7-Octene-1,2-diol, 2-methyl-; 1-Nonene-3,5-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl-; 7-Octene-1,2-diol; 7-Octene-1,2-diol; 2,5-Octadiene-1,7-diol, 3,7dimethyl-; 1,3-Propanediol, 2/(2,2-dimethylpropylidene)-; 6-Octene-1,2-diol, 7methyl-3-methylene-; 2,8-De¢adiene-1,10-diol; 6-Octene-1,5-diol, 7-methyl-; 1,3-Butanediol, 2-(1-ethyl-1-propertyl)-; 4-Hexene-1,2-diol, 4-ethyl-3-methyl-; 8-1,4-Butanediol, 2-(3-methyl-2-butenyl)-3-methylene-; Nonene-1,3-diol; Heptadiene-1,4-diol, 2,5,5-trimethyl-; 2,6-Heptadiene-1,4-diol, 2,5,5-trimethyl-; 8-Nonene-2,4-diol; 2,6-Heptanediol, 4-methylene-; 3-Hexene-3,4-diol, 2,5-dimethyl-; 4-Octene-4,5-diol; 5/Hexene-1,2-diol, 2,3-dimethyl-; 3-Hexene-1,6-diol, 2ethenyl-2,5-dimethyl-; /3-Hexene-1,5-diol, 2,4-dimethyl-; 3-Hexene-1,5-diol, 2,4dimethyl-; 3,7-Octad/ene-2,6-diol, 2,6-dimethyl-; 3,6-Octadiene-1,2-diol, 3,7dimethyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-/ 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 6-Octene-1,3-diol, 7methyl-; Decadienediol; 6-Heptene-1,2-diol, 2,3-dimethyl-; 4-Hexene-1,3-diol, 3,5dimethyl-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 4-Pentene-1,3-diol, 2-(1,1dimethylethyl)-;/ 1-Heptene-3,5-diol, 6,6-dimethyl-; 1-Heptene-3,5-diol, 6,6dimethyl-; 1,₿-Hexanediol, 5-methyl-4-methylene-; 4-Octene-1,2-diol; 2,3-Heptanediol, /3-ethenyl-; 2,3-Heptanediol, 3-ethenyl-; 5-Hexene-1,3-diol, 2,4dimethyl-; 5/Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 2,6-Octadiene-/1-t-1,8-diol, 3,7-dimethyl-; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 1,3-Octanediol, 2-methylene-; 8-Nonene-1,3-diol; 5-Heptene-1,4-diol, 3,6-dimethyl-; 5-Hepte/fe-1,4-diol, 2,6-dimethyl-; 4-Octene-2,3-diol; 4-Octene-2,3-diol; 5,7-Octadiene-1,4-diol, 2,7-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 2-Heptene-1,5diol, 5/ethyl-; 2-Heptene-1,5-diol, 5-ethyl-; 1,3-Pentanediol, 2-ethenyl-3-ethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 8-Nonene-3,4diol;/8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 4,5-dimethyl-; 5-Hexene-1,3-diol, 4,5dim/ethyl-; 4,6-Octadiene-2,3-diol, 3,7-dimethyl-; 1,3-Butanediol, 2,2-diallyl-; 1,9-

Decadiene-3,8-diol; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5methyl-; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2,8-Decadiene-5,6-diol; 2,7-Octadiene-1,6-diol, 2,6-dimethyl- (8-Hydroxylinalool); 6-Heptene-1,2-diol, 2-methyl-; 5-Hexene-1,3-diol, 2,3-dimethyl-; 2,6-Octadiene-1,8diol, 6-methyl-2-(methyl-13C)-; 1,3-Propanediol, 2-(5-hexenyl)-; 8-Nonene-3,4diol; 5-Hexene-1,3-diol, 3-ethyl-; 7-Octene-3,4-diol; 6-Heptene-1,2-diol, 2-methyl-; 6-Heptene-2,4-diol, 4-(2-propenyl)-; 2,6-Octadiene-1,4-diol, 3,7-dimethyl-; 8-Nonene-3,4-diol; 6-Heptene-2,3-diol, 6-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 4-Hexene-2,3-diol, 2,5-dimethyl-; 4,6-O¢tadiene-2,3-diol, 2,6-dimethyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 7-Octene-2,3-diol, 6-methyl-; 4,6-Octadiene-2,3diol, 2,6-dimethyl-; 1,4-Heptanediol, &-methyl-5-methylene-; 2-Butene-1,4-diol, 2-(4-methyl-3-pentenyl)-; 4-Octene-1,2-diol; 4-Octene-1,2-diol; 7-Octene-2,4-diol; 6-Heptene-2,4-diol, 3-methyl-; 6-Heptene-2,4-diol, 3-methyl-; 3-Heptene-2,5-diol, 2,4-dimethyl-; 1,3-Butanediol, \$\hat{\mu}\$-(3-methyl-2-butenyl)-; 7-Octene-3,5-diol, 2methyl-; 7-Octene-3,5-diol, 2-methyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 6-Heptene-2,4-diol, 5,5-dimethyl/; 1,3-Propanediol, 2-methyl-2-(2-methylallyl)-; 2-Heptene-1,6-diol, 6-methyl-; 1,3-Butanediol, 2-allyl-3-methyl-; 2-Nonene-1,4-diol; 5-Hexene-2,3-diol, 4-ethen/yl-2,5-dimethyl-; 5-Hexene-2,3-diol, 4-ethenyl-2,5dimethyl- 2-Nonene-1,4-diøl; 5-Heptene-1,3-diol, 3,6-dimethyl-; 1,5-Hexanediol, 2-(1-methylethenyl)-; and/1,3-Propanediol, 2-(1-pentenyl)-; and

D. mixtures of the above compounds; and

E. mixtures of 8-carbon-d/ol isomers consisting essentially of: 2,2,4-trimethyl-1,3-pentanediol; 2-ethyl-1,3-hexanediol; 2,2-dimethyl-1,3-hexanediol; 2-ethyl-4-methyl-1,3-pentanediol; 2-ethyl-3-methyl-1,3-pentanediol; 3,5-octanediol; 2,2-dimethyl-2,4-hexanediol; 2-methyl-3,5-heptanediol; and/or 3-methyl-3,5-heptanediol, any individual 1,3-diol being less than about 90% of any mixture.

125. The principal solvent of Claim 124, that is a compound selected from the group consisting of: 1,2-butanediol, 2,3,3-trimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-; 1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 2-(2-methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,4-butanediol, 2-diethyl-; 1,4-butanediol, 2-methyl-2-propyl-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-2-propyl-; 1,4-butanediol, 2-ethyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propyl-2,3-dimethyl-2-propy

butanediol, 2-ethyl-3,3-dimethyl-; 1,4-butanedjol, 2-(2-methylpropyl)-; 1,4-pentanediol, 2,2,3-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; 1,5pentanediol, 2,3,3-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-methyl-; 1,4pentanediol, 3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3-methyl-; 1,5-pentanediol, 2ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; 1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 2,4-pentanediol, 3-propyl-; 1,3hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 1,3-hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 1,4-hexanediol, /3,4-dimethyl-; 1,4-hexanediol, 3.5-dimethyl-; 3,3-dimethyl-; hexanediol, 4,4-dimethyl-; 1,4-h/exanediol, 4,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-/ 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6-hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 2,4-hexanediol, 4,5-dimethyl-; 2,5-hexanediol, 2,3-dimethyl-; hexanediol, 2,4-dimethyl-; /2,5-hexanediol, 3,3-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 4-ethyl-/ 2,4-hexanediol, 3-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3heptanediol, 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,5heptanediol, 3-methyl-, 1,5-heptanediol, 4-methyl-; 1,6-heptanediol, 3-methyl-; 1,6heptanediol, 5-methyl-; 2,4-heptanediol, 5-methyl-; 2,5-heptanediol, 3-methyl-; 3,5heptanediol, 2-meth/l-; 2,6-octanediol; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; 2,5-1,2triethoxylated; 3,3,5-trimethyl-; 1,2-propanediol, 3-(butyloxy)-, hexanediol, propanediol, 3-/butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(2-pentyloxy)-; 1,2propanediol, 3-/3-pentyloxy)-; 1,2-propanediol, 3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 3-1,2-propanediol, 3-(3-methyl-2-butyloxy)-; 3-(iso-amyloxy)-; 1,2-propanediol, 2-1,3-propanediol, 1,2-propanediol, 3-(1-cyclohex-1-enyloxy)-; (cyclohexyloxy)-; (pentyloxy)-/ 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; 1,3-2-(iso-amyloxy)-; 1,3-1,3-propanediol, 2-(2-methyl-1-butyloxy)-; propanediøl, 1,3-1,3-propanediol, 2-(cyclohexyloxy)-; 2-(3-methyl-2-butyloxy)-; propanediol, propanediol, 2-(1-cyclohex-1-enyloxy)-, 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 3-(butyloxy)-, 1,2-propanediol, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-, heptaethoxylated; 1,2-propanediol, 3-(butyloxy)-, octaethoxylated; 1,2-propanediol, 3-(buty/oxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated.

The principal solvent of Claim 124, that is an ether solvent selected from the 126. group consisting of: 1,2-propanediol, 3-(2-pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, 3-(iso-amyloxy)-; 1,2-3-(2-methyl-1-butyloxy)-; 1,2-propanediol, 1,2-1,2-propanediol/ 3-(cyclohexyloxy)-; 3-(3-methyl-2-butyloxy)-; propanediol, propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol, 2-(3-pentyloxy)-; /1,3-propanediol, 2-(2-methyl-1butyloxy)-; 1,3-propanediol, 2-(iso-amyloxy)-; 1,3-propanediol, 2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 2-(cyclohexyloxy)-; 1,3-propanediol, 2-(1-cyclohex-1-enyloxy)-; 1,2-1,2-propanediol, 3-(butyloxy)-, triethoxylated; 3-(butyloxy)-, propanediol, tetraethoxylated; 1,2-propanediol, 3-(butyloxy)-,/pentaethoxylated; 1,2-propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol/, 3-(butyloxy)-, heptaethoxylated; 1,2-3-(butyloxy)-, octaethoxyláted; 1,2-propanediol, propanediol, 3-(butyloxy)-, nonaethoxylated; 1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; and 1,2-propanediol, 3-(butyloxy)-, tributyleneoxylated; bis(2-hydroxybutyl)ether; and bis(2-hydroxygyclopentyl)ether.

127. The principal solvent of Claim 124, that is an unsaturated compound which is a homolog, or analog, of the following compounds in which each homolog, or analog, contains at least one additional CH2 group and the total number of hydrogen atoms is kept the same by inserting one double bond for each additional CH2 group:

n-propanol;

would be so

- II. 2-butanol and/or 2-methyl-2-propanol;
- III. 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 1,2-butanediol, 3,3-dimethyl-; 2,3-pentanediol, 2-methyl-; 2,3-pentanediol, 3-methyl-; 2,3-pentanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pentanediol, 3-methyl-; 1,2-pentanediol, 4-methyl-; and/or 1,2-hexanediol;
- IV. 1,3-propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1-methylpropyl)-; 1,3-propanediol, 2-(2-methylpropyl)-; 1,3-propanediol, 2-methyl-2-propyl-; 1,2-butanediol, 2,3,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-propyl-; 1,4-butanediol, 2-isopropyl-; 1,5-pentanediol, 2,2-dimethyl-; 1,5-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2,3-pentanediol, 2,3-pentanediol

dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 2,3-pentanediol, 3,4-dimethyl-; 2,3-pentanediol, 4,4-dimethyl-; 3,4-pentanediol, 2,3-dimethyl-; 1,5-pentanediol, 2-ethyl-; 1,6-hexanediol, 2-methyl-; 1,6-hexanediol, 3-methyl-; 2,3-hexanediol, 2-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5-methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol, 3-methyl-; 1,3-heptanediol; 1,4-; heptanediol; 1,5-heptanediol; and 1,6-heptanediol;

V. 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)- 1,3propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-ethylpropyl)-; 1,3propanediol, 2-(1-methylbutyl)-; 1,3-propanediól, 2-(2,2-dimethylpropyl)-; 1,3-2-butyl-2-methyl-; 1,3-propánediol, 1,3-2-(3-methylbutyl)-; propanediol, 1,3-1,3-pfopanediol, 2-ethyl-2-propyl-; 2-ethyl-2-isopropyl-; propanediol, 2-methyl-2-(1-methylpropýl)-; 2-methyl-2-(2-1,3-propanediol, propanediol, methylpropyl)-; 1,3-propanediol, 2-tertiary-butyl-2-methyl-; 1,3-butanediol, 2,2diethyl-; 1,3-butanediol, 2-(1-methylpropyl)-; 1,3-butanediol, 1,3-1,3-1,3-butanediol, 2-(1,1-dimethylethyl)-; 2-ethyl-2,3-dimethyl-/ butanediol. 2-methyl-2-isopropyl-; 1,3-2-(2-methylpropyl)/-; 1,3-butanediol, butanediol, 3-methyl-2-isopropyl-; 1.3-2-methyl-2-propyl-; 1,3-butanediol, butanediol, 3-methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2butanediol, methyl-2-propyl/; 1,4-b/tanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3-2-(1,1-2-ethyl-3,3-dimethyl-; 1,4-butanediol, 1/4-butanediol/ dimethyl-; dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2-methyl-3propyl-; /1,4-butanediol, 3-methyl-2-isopropyl-; 1,3-pentanediol, 2,2,3-trimethyl-; 1.3-2,3,4-trimethyl-; 1,3-pentanediol, 2,2,4-triprethyl-; 1,3-pentanediol, pentanediol, 2,4,4-trimethyl-; 1,3-pentanediol, 3,4,4-trimethyl-; 1,4-pentanediol, 2,2,3-trimethyl-;/1,4-pentanediol, 2,2,4-trimethyl-; 1,4-pentanediol, 2,3,3-trimethyl-1,4-pentanediol, 3,3,4-trimethyl-; 1,5-pentanediol, 2,2,3-trimethyl-; pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,3,3-trimethyl-; 1,5-pentanediol, 2,3,4-ttimethyl-; 2,4-pentanediol, 2,3,3-trimethyl-; 2,4-pentanediol, 2,3,4-trimethyl-; 1,3-pentanediol, 2-ethyl-2-methyl-; 1,3-pentanediol, 2-ethyl-3-methyl-; 1,3-1,4-3-ethyl-2-methyl-; 1,3-pentanediol, pentanediól, 2-ethyl-4-methyl-; 1,4-2-ethyl-3-methyl-; 2-ethyl-2-methyl-; 1,4-pentanediol, pentanediol, 1,4-3-ethyl-2-methyl-; 1,4-pentanediol, pentanediol, 2-ethyl-4-methyl-; 2-ethyl-2-methyl-; 1,5-1,5-pentanediol, pentanédiol, 3-ethyl-3-methyl-; 1,5-2-ethyl-4-methyl-; 2-ethyl-3-methyl-; 1,5-pentanediol, pentanediol, 1,3-3-ethyl-2-methyl-; 2,4-pentanediol, 3-ethyl-3-methyl-; pentanediol, 2-1,4-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; pentánediol,

1,5-2-propyl-; 1,4-pentanediol, 3-isopropy, 1/2; 1,4-pentanediol, isopropyl-; 1,3-hexanediol. 2,2-2,4-pentanediol, 3-propyl-; pentanediol, 2-isopropyl-; 2,4-dimethyl-; 1,3dimethyl-; 1,3-hexanediol, 2,3-dimethyl-; 1,3-hexanediol, 1,3-héxanediol, hexanediol, 2,5-dimethyl-; 1,3-hexanediol, 3,4-dimethyl-; 3,5-2/2-dimethyl-; 4,5-dimethyl-; 1,4-hexanediol, 1,4dimethyl-; 1,3-hexanediol, hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5-3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4dimethyl-; 1,4-hexanediol, hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediol, 4,5-1,5-hexanediol, 2,2-dimethyl-; 1,5-5,5-dimethyl-; dimethyl-; 1,4-hexanediol, hexanediol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5-hexanediol, 2,5-1,5-hexanediol, 3,4-dimethyl-; 1,5-3,3-dimethyl-; dimethyl-; 1,5-hexanediol, hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5-dimethyl-; 1,6-hexanediol, 2,2-2,3-dimethyl-; /1,6-hexanediol, 2,4-dimethyl-; 1,6dimethyl-; 1,6-hexanediol, hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4dimethyl-; 2,4-hexanediol, 2,3-dimethyl-; 2,4-hexanediol, 2,4-dimethyl-; 2,4hexanediol, 2,5-dimethyl-; 2,4-hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4-3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4dimethyl-; 2,4-hexanediol, 2,5/hexanediol, 2,3-dimethyl-; 2,5-hexanediol, 2,4hexanediol, 5,5-dimethyl-; dimethyl-; 2,5-hexanediol, /2,5-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5hexanediol, 3,4-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1,3-hexanediol, 2-ethyl-; 1,3-hexanediol,/4-ethyl-;/1,4-hexanediol, 2-ethyl-; 1,4-hexanediol, 4-ethyl-; 1,5-2-ethyl-; /2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4-ethyl-; 2,5hexanediol, hexanediol, 3-ethyl-1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3-methyl-; 1,3heptanediol/ 4-methyl-; 1,3-heptanediol, 5-methyl-; 1,3-heptanediol, 6-methyl-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3-methyl-; 1,4-heptanediol, 4-methyl-; 1,4-heptenediol, 5-methyl-; 1,4-heptanediol, 6-methyl-; 1,5-heptanediol, 2methyl-; 1/5-he/ptanediol, 3-methyl-; 1,5-heptanediol, 4-methyl-; 1,5-heptanediol, 1,6-1,6-heptanediol, 2-methyl-; 5-heptanediol, 6-methyl-; 5-methyl-; B-methyl-; 1,6-heptanediol, 4-methyl-; 1,6-heptanediol, 5-methyl-; heptanediol/ 1,6-heptanediol, 6-methyl-; 2,4-heptanediol, 2-methyl-; 2,4-heptanediol, 3-methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptanediol, 5-methyl-; 2,4-heptanediol, 6methyl-; /2,5-heptanediol, 2-methyl-; 2,5-heptanediol, 3-methyl-; 2,5-heptanediol, 2,6-2,5-heptanediol, 6-methyl-; 5-methyl-; 2,5-heptanediol, 4-methyl-: heptanediol, 2-methyl-; 2,6-heptanediol, 3-methyl-; 2,6-heptanediol, 4-methyl-; 3,4-heptanediol, 3-methyl-; 3,5-heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-

- ; 3,5-heptanediol, 4-methyl-; 2,4-octanediol; 2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;
- VI. 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 2,5,5-trimethyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,5,5-trimethyl-; 2,4-hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5-hexanediol, 3,3,5-trimethyl-;

VIII. Alkoxylated derivatives of C₃₋₈ diols selected from the group consisting of:

1. 1,2-propanediol 2(Me-polyethoxy₁₋₄); 1,2 $_{7}$ propanediol polypropoxy₄; 1,2-(Me-polyethoxy/4-10); 1,2-propanediol, 2-methylpropanediol, 2-methyl-1,2-propanediol, / 2-methylpolypropoxy3; 2(Me-polyethoxy₁); propanediol, 2-methyl- polybutoxy₁, 1,3-propanediol 2(Me-polyethoxy₆₋₈); 1,3-propanediol polypropoxy₅₋₆; 1/,3-propanediol, 2,2-diethyl- polyethoxy₁₋₇; 1,3-propanediol, 2,2-diethyl- polypropoxy1; 1,3-propanediol, 2,2-diethyl- npolybutoxy₁₋₂; 1,3-propanedjól, 2,2-dimethyl- $2(Me polyethoxy_{1-2}); 1,3-$ 1,3-propanediol, polypropoxy₃₋₄; 2.2-dimethyl propanediol, 1,3-propanediol, 2-(1-methylpropyl)polyethoxy₁₋₇; methylpropyl)polypropoxy₁://1,3-propanédiol, 2-(1-methylpropyl)n-polybutoxy₁₋₂; 1,3polyethoxy₁₋₇; 1,3-propanediol, 2-(2-2-(2-metbýlpropyl)propanediol, 1,3-propanediol, 2-(2-methylpropyl)npetypropoxy₁; methylpropyl)-(Me polyethoxy₆₋₁₀); 1,3-1,3-propanediol, 2-ethylpolybutoxy/1-2; 2(Me/ polyethoxy₁); 1,3-propanediol, 2-ethylpropanediol, 1/2-ethylpolypropoxy3;/1,3-propanediol,/2-ethyl-2-methyl- (Me polyethoxy1-6); 1,3polypropoxy2; 1,3-propanediol, 2-ethyl-2propanediol/ 2-ethyl-2-methylmethyl-/polybutoxy1; 1,3-propanediol, 2-isopropyl- (Me polyethoxy1-6); 1,3polypropoxy2; 1,3-propanediol, 2-isopropyl-2-isopropylpropanediol, $2(Me polyethoxy_{2-5}); 1,3-$ 2-methyl-1,3-propanediol, polybuťoxy₁; 1,3-propanediol, 2-methylpolypropoxy₄₋₅; 2-methylpropanediol, polybutoxy2; 1,3-propanediol, 2-methyl-2-isopropylpolyethoxy₂₋₉; 1,3propanediol, 2-methyl-2-isopropyl- polypropoxy1; 1,3-propanediol, 2-methyl-2-methyl-2-propyl-1,3-propanediol, n-polybutoxy₁₋₃; 2-isopropylpolypropoxy₁; 1,3polyethoxy₁₋₇; 1,3-propanediol, 2-methyl-2-propylpropanediol, 2-methyl-2-propyl- n-polybutoxy₁₋₂; 1,3-propanediol, 2-propyl-(Me polyethoxy₁₋₄); 1,3-propanediol, 2-propylpolypropoxy₂; 1,3propanediol, 2-propyl- polybutoxy1;

2. 1,2-butanediol (Me polyethoxy₂₋₈); 1,2-butanediol polypropoxy₂₋₃, 1,2butanediol polybutoxy₁; 1,2-butanediol, 2,3-dimethyl- polyethoxy₁-6; 1,2-2-ethyl-1,2-butanedio/, n-polybutoxy₁₋₂; 2,3-dimethylbutanediol, n-polybutoxy₁; 1,2-butanediol, 2polyethoxy₁₋₃; 1,2-butanediol, 2-ethylmethyl- (Me polyethoxy₁₋₂); 1,2-butanediol, 2-methyl- polypropoxy₁; 1,2butanediol, 3,3-dimethyl- polyethoxy₁₋₆; 1,2-butanediol/3,3-dimethyl- npolybutoxy₁₋₂; 1,2-butanediol, 3-methyl- (Me polyethoxy₁₋₂); 1,2-butanediol, 3-methyl- polypropoxy₁; 1,3-butanediol 2(Me polyethóxy₃₋₆); 1,3-butanediol polypropoxy5; 1,3-butanediol polybutoxy2; 1,3-butanediol, 2,2,3-trimethyl-(Me polyethoxy₁₋₃); 1,3-butanediol, 2,2,3-trimethyl- polypropoxy₁₋₂; 1,3butanediol, 2,2-dimethyl- (Me polyethoxy₃₋₈);/1,3-butanediol, 2,2-dimethyl-(Me polyethoxy₃₋₈); 1,3polypropoxy3; 1,3-butanediol, 2,3-dimethyl polypropoxy3, 1,3-butanediol, 2-ethyl-(Me butanediol, 2,3-dimethylpolyethoxy₁₋₆); 1,3-butanediol, 2-ethyl-/ polypropoxy₂₋₃; 1,3-butanediol, 2ethyl- polybutoxy₁; 1,3-butanediol, 2-ethyl-2-methyl- (Me polyethoxy₁); 1,3butanediol, 2-ethyl-2-methyl- polyprópoxy1; 1,3-butanediol, 2-ethyl-2-methyln-polybutoxy₂₋₄; 1,3-butanediql, /2-ethyl-3-methyl- (Me polyethoxy₁); 1,3butanediol, 2-ethyl-3-methyl- polypropoxy1; 1,3-butanediol, 2-ethyl-3-methyl-1,3-butanediol, 2-isopropyl-(Me polyethoxy₁); polypropoxy₁; 1,3-butanediol, 2-isopropylnbutanediol, 2-isoprópyl-1,3-1/,3/-butarfediol, 2-methyl-2(Me polyethoxy₁₋₃); polybutoxy2-4; butanediol, 2-methyl-polypropoxy4:/1,3-butanediol, 2-propyl- polyethoxy2-9; polypropoxy₁; 1,3-butanediol, 2-propyl-2/-propyl-1,3-butanediol,/ polybutoxy₁₋₃/ 4/,3/butanediol, 3-methyl-2(Me polyethoxy₁₋₃); butanediol, 3/methyl- polypropoxy4; 1,4-butanediol 2(Me polyethoxy2-4); 1,4-butanediol polypropoxy₄₋₅; 1,4-butanediol polybutoxy₂; 1,4-butanediol, 2,2,3-trimethyl-/ polyethoxy₂₋₉; 1,4-butanediol, 2,2,3-trimethyl- polypropoxy₁; 1,4-butanedio/, 2,2,3-trimethyl- n-polybutoxy₁₋₃; 1,4-butanediol, 2,2-dimethyl-(Me polyethoxy₁₋₆); 1,4-butanediol, 2,2-dimethylpolypropoxy2; butanediol/ 2,2-dimethyl- polybutoxy₁; 1,4-butanediol, 2,3-dimethyl-(Me polyethox y_{1-6} ; 1,4-butanediol, 2,3-dimethyl- polypropoxy₂; 1,4-butanediol, 2,3-dimethyl- polybutoxy₁; 1,4-butanediol, 2-ethyl- (Me polyethoxy₁₋₄); 1,4butanediol, 2-ethyl- polypropoxy2; 1,4-butanediol, 2-ethyl- polybutoxy1; 1,4butanediol, 2-ethyl-2-methyl- polyethoxy1-7; 1,4-butanediol, 2-ethyl-2-methylpolyprópoxy₁; 1,4-butanediol, 2-ethyl-2-methyln-polybutoxy₁₋₂; 1,4butanediol, 2-ethyl-3-methyl- polyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-3-methylpolypropoxy₁; 1,4-butanediol, 2-ethyl-3-methyln-polybutóxy₁₋₂; 1,4polyethoxy₁₋₇; 1,4-butanediól, 2-isopropyl-2-isopropylbutanediol, polypropoxy₁; 1,4-butanediol, 2-isopropyl- n-polybutoxy₁₋₂; 1,4-butanediol, (Me polyethoxy₆₋₁₀); 1,4-butanediol/, 2-methyl-2(Me 2-methylpolypropóxy3; 1,4-butanediol, 2polyethoxy₁); 1,4-butanediol, 2-methylpolybutoxy₁; 1,4-butanediol, 2-propylpolyethoxy₁₋₅; 1,4methyln-polybutoxy₁₋₂; 1,4/butanediol, 3-ethyl-1-methylbutanediol, 2-propylpolypropoxy₁; 1,4-1,4-butanediol, 3-ethyl-1-methylpolyethoxy2-9; n-polybutoxy₁₋₃; 2,3-butanediol (Me 3-ethyl-1-methylbutanediol, polyethoxy₁); 2,3-butanediol 2(Me 2,3-butanediol polyethoxy6-10); polybutoxy1; 2,3-butanediol, 2,3-dimethylpolypropoxy₃₋₄; 2,3-butanediol polyethoxy3-9; 2,3-butanediol, 2,3/dimethyl- polypropoxy1; 2,3-butanediol, 2,3-dimethyl- n-polybutoxy₁₋₃; 2,3-butanediol, 2-methyl- (Me polyethoxy₁₋₅); polypropoxy₂; 2,3-butanediol, 2-methyl-2,3-butanediol, 2-methylpolybutoxy₁;

 ϕ olyeth ϕ x $\sqrt{3-10}$; 1,2-pentanediol, polypropoxy₁; 1,2-3. 1.2-pentanediol pentanediol, n/polybutoxy2,3; 1,2-pentanediol, 2-methyl polyethoxy1-3; 1,2pentanediol, 2/methyl p-polybutoxy1; 1,2-pentanediol, 2-methyl polybutoxy1; 1,2-pentanediol, 3-methyl polyethoxy1-3; 1,2-pentanediol, 3-methyl polybutoxy/; 1,2-pentanediol, 4-methyl polyethoxy1-3; 1,2-pentanediol, 4methyl n-polybuto 1, 1,3-pentanediol 2(Me-polyethoxy₁₋₂); 1,3-pentanediol polypropoxy3/4://1,3-pentanediol,/2,2-dimethyl-(Me-polyethoxy₁); 1,3pentanediol, 2,2-dimethyl- polypropoxy1; 1,3-pentanediol, 2,2-dimethyl- npolybut $\phi x \sqrt{2-4}$, 1,3-pentanediol, 2,3-dimethyl-(Me-polyethoxy₁); pentanediol, /2,3-dimethyle polypropoxy1; 1,3-pentanediol, 2,3-dimethyle n-1,3-pentanediol, 2,4-dimethyl-(Me-polyethoxy₁); 1,3pentanediol, 2,4-dimethyl- polypropoxy1; 1,3-pentanediol, 2,4-dimethyl- npolybutoxy24; 1,3-pentanediol, 2-ethyl- polyethoxy29; 1,3-pentanediol, 2ethyl- polypropoxy₁; 1,3-pentanediol, 2-ethyln-polybutoxy₁₋₃; 1,3-2(Me-polyethoxy₁₋₆); 1,3-pentanediol, 2-methylpentanediol, 2-methylpolypropoxy2-3; 1,3-pentanediol, 2-methyl- polybutoxy1; 1,3-pentanediol, 3,4-dimethyl-1,3-pentanediol, 3,4-dimethyl-(Me-polyethoxy₁); 1,3n-polybutoxy₂₋₄; 1,3-pentanediol, 3,4-dimethylpolypropoxy₁; (Me-polyethoxy₁₋₆); 1,3-pentanediol, 3-methylpentanediol, 3-methylpolypropoxy2-3; 1,3-pentanediol, 3-methyl- polybutoxy1; 1,3-pentanediol, 4.4-dimethyl-1,3-pentanediol, 4,4-dimethyl-(Me-polyethoxy₁);

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polypropoxy₁; 1,3-pentanediol, 4,4-dimethyln-polybut9xy2_4; (Me-polyethoxy₁₋₆); 1,3-pentanegiol, 4-methylpentanediol, 4-methylpolypropoxy₂₋₃; 1,3-pentanediol, 4-methyl- polybutoxy₁;/1,4-pentanediol, 2(Me-polyethoxy₁₋₂); 1,4-pentanediol polypropoxy₃₋₄; 1,4-pentanediol, 2,2dimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,2-dimethyl- polypropoxy₁; n-polybutoxy₂₋₄; / 1,4-pentanediol, 2,3-1,4-pentanediol, 2,2-dimethyldimethyl- (Me-polyethoxy₁); 1,4-pentanediol, 2,3/dimethyl- polypropoxy₁; n-polybutoxy2-4; 1,4-pentanediol, 2,4-1,4-pentanediol, 2,3-dimethyldimethyl- (Me-polyethoxy₁); 1,4-pentanediol, /2,4-dimethyl- polypropoxy₁; 1,4-pentanediol, 2,4-dimethyl- n-polybutoxy/2-4; 1,4-pentanediol, 2-methyl-2-methylpolypropoxy2-3; (Me-polyethoxy₁₋₆); 1,4-pentanediol, pentanediol, 2-methyl- polybutoxy₁; 1,4/pentanediol, 3,3-dimethyl-(Mepolyethoxy₁); 1,4-pentanediol, 3,3-dimethyl- polypropoxy₁; 1,4-pentanediol, n-polybutoxy₂₋₄; 1,4-pentanediol, 3,4-dimethyl-(Me-3,3-dimethylpolyethoxy₁); 1,4-pentanediol, 3,4-dimethyl- polypropoxy₁; 1,4-pentanediol, 3,4-dimethyl- n-polybutøxy₂₋₄;/1,4-pentanediol, 3-methyl- 2(Me-polyethoxy₁₋ 6); 1,4-pentanediol,//3-methy/ pólypropoxy₂₋₃; 1,4-pentanediol, 3-methyl-2(Me-polyethoxy₁₋₆); 1,4/pentanediol, /4-methylpolybutoxy₁; 4-methylpentanediol, 4√methylpólypropoxy2-3; 1,4-pentanediol, (Me-polyethoxy₄₋₁₀); 1,5-pentanediol 2(Mepolybutoxy₁; 1,5-pentanediol, polyethoxy₁); /1,5/pénţánediol polyprópoxy₃; 1,5-pentanediol, 2,2-dimethylpolyethoxy₁₋₇; 1/5-pentanediol, 2,2-dimethyl- polypropoxy₁; 1,5-pentanediol, 2,2-dimethyl $\frac{1}{1} \frac{1}{1} \frac{1}{1}$ 1,5-pentanediol, 2,3-dimethyl-polypropoxy1; 1,5-pentanediol, 2,3-dimethyln-polybutoxy₁₋₂; 1,5-pentanediol, 2,4-dimethylpolyethoxy₁₋₇; 1,5pentanediol, 2/,4-dimethyl- polypropoxy1; 1,5-pentanediol, 2,4-dimethyl- npolybutoxy $_{1-2}$; 1,5-pentanediol, 2-ethyl- polyethoxy $_{1-5}$; 1,5-pentanediol, 2ethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 2-methyl- (Me-polyethoxy₁₋₄); 1,5polypropoxy2; 1,5-pentanediol, 3,3-dimethylpentanediol, 2-methylpolyethoxy₁₋₇; 1,5-pentanediol, 3,3-dimethyl- polypropoxy₁; 1,5-pentanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 1,5-pentanediol, 3-methyl- (Me-polyethoxy₁₋ polypropoxy₂; 2,3-pentanediol, (Me-ط); 1,5-pentanediol, 3-methylpolyethoxy₁₋₃); 2,3-pentanediol, polypropoxy₂; 2,3-pentanediol, 2-methylpolyethoxy₁₋₇; 2,3-pentanediol, 2-methyl- polypropoxy₁; 2,3-pentanediol, 2methyl- n-polybutoxy₁₋₂; 2,3-pentanediol, 3-methyl- polyethoxy₁₋₇; 2,3polypropoxy₁; 2,3-pentanediol, 3-methylpentanediol, 3-methyl-

polybutoxy₁₋₂; 2,3-pentanediol, 4-methyl- polyethoxy₁₋₇; 2,3-pentanediol, 4polypropoxy₁; 2,3-pentanediol, 4-methyl- n-polybutoxy₁₋₂; 2,4-2(Me-polyethoxy₁₋₄); 2,4-pentanediol polypropoxy₄; 2,4pentanediol, 2,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4-pentanediól, 2,3-dimethyl-(Me-polyethoxy₁₋₄); 2,4polypropoxy₂; 2,4-pentanediol, 2,4-dimethylpentanediol, 2,4-dimethyl- polypropoxy2; 2,4-pentanediol, 2-methyl- (Mepolyethoxy5-10); 2,4-pentanediol, 2-methyl- polypropóxy3; 2,4-pentanediol, 3,3-dimethyl-2,4-pentánediol, 3.3-dimethyl-(Me-polyethoxy₁₋₄); 2,4-pentanediol, 3-methyl-(Me-polyethoxy5-10); polypropoxy2; pentanediol, 3-methyl- polypropoxy3;

polypropoxy₂; 1,3-(Me-polyethoxy₁₋₅); 1,3-hexanediol 4. 1,3-hexanediol polybutoxy₁; 1,3-hexanediol, 2,/methylpolyethoxy₂₋₉; 1,3hexanediol 1/,3-hexanediol, 2-methylhexanediol, 2-methylpolypropoxy₁; polybutoxy₁₋₃; 1,3-hexanediol, 2-methyl- / polybutoxy₁; 1,3-hexanediol, 3polyethoxy₂₋₉; 1,3-bexanediol, 3-methylpolypropoxy₁; 1,3methyln-polybutoxy₁₋₃; 1,3-hexanediol, hexanediol, 3-methylpolyethoxy2-9; 1,3-hexanédiol, 4-methýl- polypropoxy1; 1,3-hexanediol, 4n-polybutoxy//-3; 1,3-hexamediol, 5-methyl- polyethoxy2-9; 1,3polypropoxy₁; 1,3-hexanediol, 5-methylhexanediol, 5-methy 1,*4*∦hexane∕diøl (Me-polyethoxy₁₋₅); 1,4-hexanediol polybutoxy₁₋₃; polybutøxy₁; 1,4-hexanediol, 2-methylpolypropoxy₂; 1,4/∯exapediøl polyethoxy2-9; 1,4-hexanediol, /2-methyl- polypropoxy1; 1,4-hexanediol, 2n-polybutoxy₁₋₂; 1,4-hexanediol, 3-methyl- polyethoxy₂₋₉; 1,4polyprópoxy₁; 1,4-hexanediol, 3-methylhexanediol, 3-methy polybutoxy₁₋₃; 1/4/hexanediól, 4-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 4polypropoxy₁; 1/4-hexanediol, 4-methyl- n-polybutoxy₁₋₃; 1,4methyl-1,4-hexanediol, 5-methylhexanediol, 5-methyJpolyethoxy2-9; polypropoxy₁; 1/4-bexanédiol, 5-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol polypropoxy2; 1,5-hexanediol 1/5-hexanediol (Me-polyethoxy1-6); polybutoxy₁; 1,5-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,5-hexanediol, 2polypropoxy₁/; 1,5-hexanediol, 2-methyl- n-polybutoxy₁₋₃; 1,5methyl-3-methyl-1,5-hexanediol, hexanediol, 3-methylpolyethoxy2-9; polypropoxy₁; 1,5-hexanediol, 3-methyl- n-polybutoxy₁₋₃; 1,5-hexanediol, 4polyethoxy₂₋₉; 1,5-hexanediol, 4-methylpolypropoxy₁; 1,5methyl-1,5-hexanediol, 4-methyln-polybutoxy₁₋₃; hexanediol, polyethoxy2-9; 1,5-hexanediol, 5-methyl-polypropoxy1; 1,5-hexanediol, 5The state of the s

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methyl- n-polybutoxy₁₋₃; 1,6-hexanediol (Me-polyethoxy₁₋₂); 1,6-hexanediol polypropoxy₁₋₂; 1,6-hexanediol n-polybutoxy₄; 1,6-hexanediøl, 2-methylpolyethoxy₁₋₅; 1,6-hexanediol, 2-methyl- n-polybutoxy₁₋₂; 1,6/hexanediol, 3methyl- polyethoxy₁₋₅; 1,6-hexanediol, 3-methyl- n-polybutoxy₁₋₂; 2,3hexanediol polyethoxy₁₋₅; 2,3-hexanediol n-polybutoxy₁; 2,3-hexanediol (Me-polyethoxy3,8); 2,4-hexanediol polybutoxy₁; 2,4-hexanediol polypropoxy3; 2,4-hexanediol, 2-methyl- (Me-polyethøxy1-2); 2,4-hexanediol 2-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 3-methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 3-methyl- polypropoxy₁₋₂; 2,4-hexanediol, 4-methyl- (Mepolyethoxy₁₋₂); 2,4-hexanediol 4-methyl- polyprópoxy₁₋₂; 2,4-hexanediol, 5methyl- (Me-polyethoxy₁₋₂); 2,4-hexanediol 5/methyl- polypropoxy₁₋₂; 2,5polypropoxy3; 2,5-(Me-polyethoxy₃₋₈); 2,5-hexánediol hexanediol (Me-polyethoxy $_{1-2}$); 2,5-hexanediol 2-methyl-2-methylhexanediol, polypropoxy₁₋₂; 2,5-hexanediol, 3-methyl-(Me-polyethoxy₁₋₂); 2,5hexanediol 3-methyl- polypropoxy₁₋₂;/3,4-hexanediol polyethoxy₁₋₅; 3,4hexanediol n-polybutoxy₁, 3,4 hexanediol polybutoxy₁;

- polyethoxy1-7; /1,3-heptanediol polypropoxy₁; 1,3-1,3-heptanediol n-polybutoxy₁₋₂, 1,4-heptanediol polyethoxy₁₋₇; heptanediol heptanediol polypropoxy₁; 1/4-heptanediol n-polybutoxy₁₋₂; 1,5-heptanediol pólypropoxy₁; 1,5-heptanediol polyethoxy₁₋₇; 1,5-heptanediol/ 1,6-heptanediol polybutoxy₁₋₂; /1,6,∕heøtanediol polyethoxy₁₋₇; /1,6/-he⁄ptanediol n-polybutoxy₁₋₂; 1,7-heptanediol polypropoxy₁; polyethoxy₁₋₂; 1,7-heptanediol polyethoxy₃₋ 10; 2,4-heptanedidly (Me-polyethoxy1); 2,4-heptanediol polypropoxy1; 2,4heptanediol n-polybutoxy3/2,5-heptanediol polyethoxy3-10; 2,5-heptanediol polypropoxy₁; 2,5-heptanediol (Me-polyethoxy₁); 2,5-heptanediol npolyethoxy₃₋₁₀; 2,6-heptanediol (Mepolybutoxy3; 2,6-heptanédiol polyethoxy₁); 2,6/heptanédiol polypropoxy₁; 2,6-heptanediol n-polybutoxy₃; 3,5-heptanediol \polyethoxy3-10; 3,5-heptanediol (Me-polyethoxy1); 3,5heptanediol polyphopoxy1; 3,5-heptanediol n-polybutoxy3;
- 6. 1,3-butanediol, 3-methyl-2-isopropyl- polypropoxy₁; 2,4-pentanediol, 2,3,3-trimethyl- polypropoxy₁; 1,3-butanediol, 2,2-diethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,3-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 2,4-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,3-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 4,5-dimethyl- polyethoxy₂₋₅; 2,4-hexanediol, 4,5-dimethyl-

polyethoxy₂₋₅; 2,4-hexanediol, 5,5-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,3-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,4-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 2,5-dimethyl- polyethoxy₂₋₅; 2,5-hexanediol, 3,⁄3-dimethylpolyethoxy₂₋₅; 2,5-hexanediol, 3,4-dimethyl- polyethoxy₂₋₅; 3,5/heptanediol, 3-methyl-polyethoxy₂₋₅; 1,3-butanediol, 2,2-diethyl-n-polybutoxy₁₋₂; 2,4hexanediol, 2,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol,/2,4-dimethyl- n-2,5-dimethyln-pølybutoxy₁₋₂; polybutoxy₁₋₂; 2,4-hexanediol, hexanediol, 3,3-dimethyl- n-polybutoxy₁₋₂; 2,4-hexanediol, 3,4-dimethyl- npolybutoxy₁₋₂; 2,4-hexanediol, 3,5-dimethylń-polybutoxy₁₋₂; hexanediol, 4,5-dimethyl- n-polybutoxy₁₋₂; 2,4-hexánediol, 5,5-dimethyl-, n-2,5-hexanediol, 2,3-dimethyln-polybutoxy₁₋₂; polybutoxy₁₋₂; hexanediol, 2,4-dimethyl- n-polybutoxy₁₋₂; 2,5-hexanediol, 2,5-dimethyl- n-2,5-hexanediol, 3,3-dimethy/n-polybutoxy₁₋₂; 2,5polybutoxy₁₋₂; hexanediol, 3,4-dimethyl- n-polybutoxy₁₋₂; /3,5-heptanediol, 3-methylpolybutoxy₁₋₂; 1,3-propanediol/ $\sqrt{2}$ -(1),2-dimethylpropyl)- n-polybutoxy₁; 1,3butanediol, 2-ethyl-2,3-dimethyl- n-polybutoxy1; 1,3-butanediol, 2-methyl-2-1,4-butanediol, 3-methyl-2-isopropylisopropyln-polybutoxy1; n-1,3-pentánediol, 2,2,3-trimethyln-polybutoxy₁; 1,3polybutoxy₁; pentanediol, 2,2,4-trimethyl- n-pg/ybutoxy1; 1,3-pentanediol, 2,4,4-trimethyl-3/4,4-trimethyln-polybutoxy₁; 1,3-pentanedió/, n-polybutoxy₁; pentanediol, 2,2,3-t/im/ethyl-/ n/poly/butoxy1; /l,4-pentanediol, 2,2,4-trimethyln-polybutoxy₁; 2,3,3-triphethyln-polybutoxy₁; 1.4-1/4-pentánediol, n-pølybutoxy/1; 1,4-pentanediol, 3,3,4-trimethylpentanediol, 2,3,4/trimet/hyl/ 2,3/4-trimethyln-polybutoxy₁; 2,4-bentanedio/, n-polybutoxy₁; n-polýbutoxy1; 2,4-heptanediol, 2-methylhexanediol, 4-ethyl npolybutoxy₁; 2,4 heptanediol, /3-methyl- n-polybutoxy₁; 2,4-heptanediol, 4n-polybutoxy1; 2,4-Keptanediol, 5-methyln-polybutoxy₁; 2,4methylheptanediol, 6-methyl-ர-polybutoxy₁; 2,5-heptanediol, 2-methylpolybutoxy₁; 2,5-heptanédiól, 3-methyl- n-polybutoxy₁; 2,5-heptanediol, 4n-polybutoxy₁; /2,5-heptanediol, 5-methyln-polybutoxy₁; 2,5heptanediol, 6-methyln-polybutoxy₁; 2,6-heptanediol, 2-methylnpolybutoxy₁; 2,6-heptanediol, 3-methyl- n-polybutoxy₁; 2,6-heptanediol, 4n-polybutoxy₁/; 3,5-heptanediol, 2-methyln-polybutoxy₁; 1,3propanediol, 2-(1,2-dimethylpropyl)- polyethoxy₁₋₃; 1,3-butanediol, 2-ethyl-2-methyl-2-isopropyl-1,3-butanediol, 2,3-dimethylpolýethoxy₁₋₃; polyethoxy₁₋₃; 1,4-butanediol, 3-methyl-2-isopropylpolyethoxy₁₋₃; 1,3-

13 14 pentanediol, 2,2,3-trimethyl- polyethoxy₁₋₃; 1,3-pentanediol, 2,2,4-trimethylpolyethoxy₁₋₃/ 1,3-1,3-pentanediol, 2,4,4-trimethylpolyethoxy₁₋₃; pentanediol, 3,4,4-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,2,3-t/fimethylpolyethoxy₁₋₃; polyethoxy₁₋₃; 1,4-pentanediol, 2,2,4-trimethylpentanediol, 2,3,3-trimethyl- polyethoxy₁₋₃; 1,4-pentanediol, 2,3,4-trimethyl-1,4-pentanediol, 3,3,4-trimethylpolyethoxy₁₋₃; polyethoxy₁₋₃; polyethoxy₁₋₃; 2,4-hexánediol, pentanediol, 2,3,4-trimethylpolyethoxy₁₋₃; 2,4-heptanediol, 2-methyl- polyethoxy₁₋₃;/2,4-heptanediol, 3polyethoxy₁₋₃; 2,4-heptanediol, 4-methylpolyethoxy₁₋₃; 2,4methylpolyethoxy₁₋₃; 2,4-héptanediol, 6-methylheptanediol, 5-methylpolyethoxy₁₋₃; 2,5-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 3polyethoxy₁₋₃; 2,5-heptanediol, 4-methylpolyethoxy₁₋₃; 2,5-6-methylpolyethoxy₁₋₃; $\sqrt{2}$,5-heptanediol, 5-methylheptanediol, polyethoxy₁₋₃; 2,6-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 3methyl- polyethoxy₁₋₃; 2,6-heptanediol, 4-methyl- polyethoxy₁₋₃; and/or 3,5heptanediol, 2-methyl- polyethoxy₁₋₃;

IX. mixtures thereof;

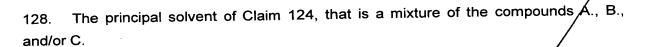
with the exception of the following specific unsaturated compounds: 3,7-Octadiene-2,5-diol, 2,7-dimethyl-; 4,6-Octadiene-1,2-diol,/3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 4,6-Octadiene-1,2-diol/3,5-dimethyl-; 4,6-Octadiene-1,2-diol, 3,5dimethyl-; 4,6-Octadiene-1,2-diol, 3,5-dimethyl-; 1-Hexene-3,4-diol, 5,5-dimethyl-; 6-Heptene-1,4-diol, 4-methyl/; 4-\$\psi_c\tene-3,6_diol; 4-\$\psictene-3,6-diol; 3-Octene-1,2-diol; 3-Nonene-2,5-diol; 7-Nonene-4,5-diol; //-Nonene-4,5-diol; 6-Nonene-2,3-diol; 6-7-methyl-3-methylene-; 2,7-5-methyl-;/ V 6-Octene-1,/2-diol, Heptene-2,4-diol, 1/3-Propanediol, 3-2-(2-methylenepentyl)-; 2,6-dimethyl-; Octadiene-1,6-diol, Heptene-2,6-diol, 2,6-dimethyl-; 3-Heptene-2,6-diol, 2,6-dimethyl-; 5-Hexene-2,4-diol, 3,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 4-Hexene-1,2-diol, 2,5-dimethyl-; 7-Octene-1,6-diol; 2-Hexene-1,4-diol, /2,5-dimethyl-; 2-Hexene-1,4-diol, 2,5-dimethyl-; 1,4-Hexanediol, 5-methyl-2-methylene-; 4-Octene-2,3-diol; Nonene-1,4-diol; 6-Heptene-1,4-diol, 4-methyl-; 6-Octene-3,5-diol, 4-methyl-; 2,6-Octadiene-1,8-diol, 1-Heptene-3,5-diol, 2,4-dimethyl-(8-Hydroxygeraniol); 2,6-dimethyl-Hexanediol, 5-methyl-3-methylene-; 2,4-Hexanediol, 5-methyl-3-methylene-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 5-Hexene-2,4-diol, 3-ethenyl-2,5-dimethyl-; 6-Heptene-2,4-diol, 5-methyl-;/ 4,9-Decadiene-1,8-diol; 5-Hexene-1,3-diol, 2,4dimethyl-; 7-Octene-1,3-diol, 2-methyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 5-Heptene-3-d-1,2-diol, 2,6-dimethyl-; 4-Nonene-2,8-diol; 4-Nonene-2,8-diol;

And the training the same of t

Hexene-2,3-diol, 2,3-dimethyl-; 2-Butene-1,4-diol, 2-butyl-; 2,4-Hexadiene-1,6-diol/, 3-(1,1-dimethylethyl)-; 6-Octene-1,4-diol, 7-methyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 6-Heptene-1,4-diol, 5,6-dimethyl-; 7-Octene-2,5-diol, 7-methyl-; 7-Octene-2,5-diol, 7methyl-; 4-Hexene-1,3-diol, 2,4-dimethyl-; 4-Octene-2,7-diol; 4-Octene-2,/7-diol; 3-Heptene-1,2-diol, 5-methyl-; 3-Heptene-1,2-diol, 5-methyl-; 3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 8-Nonene-1,7-diol; 2,6-Octadiene-1,4-diol, 3,7-dimethyl/; 5-Hexene-1,4-diol, 2,4-dimethyl-; 1-Heptene-3,4-diol, 6-methyl-; 3-Heptené-1,5-diol, 4,6dimethyl-; 3-Octene-1,5-diol, 4-methyl-; 3,9-Decadiene-1,2-diol; 7-Øctene-2,3-diol, 2methyl-; 7-Octene-2,3-diol, 2-methyl-; 6-Nonene-2,3-diol; 2,5-Hexanediol, 3-methyl-4methylene-; 6-Heptene-1,4-diol, 2-methyl-; 6-Octene-1,5-diol;/1-Octene-3,4-diol; 7-Octene-1,6-diol, 5-methyl-; 7-Octene-1,6-diol, 5-methyl-; 1,3/Butanediol, 2-methyl-2-(1-methylethenyl)-; 1,3-Pentanediol, 2-ethenyl-4,4-dimethyl-; 3,5-Octanediol, 4methylene-; 3,5-Octanediol, 4-methylene-; 6-Heptene-2,3/diol, 2-methyl-; 6-Heptene-2,3-diol, 2,6-dimethyl-; 6-Heptene-2,3-diol, 2-methyl-; //-Octene-1,3-diol, 4-methyl-; 1,3-Butanediol, 2-methyl-2-(1-methyl-2-properlyl)-; 5-heptene-1,2-diol, 2,6-dimethyl-; 1-Nonene-3,4-diol; 5-Heptene-1,2,4iol, 3/methyl₇, 3,7-Octadiene-2,6-diol, dimethyl-; 6-Heptene-1,3-diol, 2,2/dimethyl-; 4-Nonene-1,3-diol; 1,4-Pentanediol, 3methyl-2-(2-propenyl)-; 1-Nonene/3,4-dig/; 8-Nonene-1,2-diol; 3-Octene-1,2-diol; 1,9-Decadiene-4,6-diol; 1,9-Decadiene-4,6-diol; 5-Hexene-1,3-diol, 2,2-dimethyl-; 1,3-2-(1-pentenyl)-; / 1/3-Propanediol/ 2-(3-methyl-1-butenyl)-; 1,3-Propanediol. Propanediol. 2-(3-methyl-1-buteryl)-; 8-Nonene-1,3-diol; 2,4-Octadiene-1,8-diol, 2,7dimethyl-; 5-Heptene-1,2-diol, 6-methyl-; 3,9 Decadiene-1,2-diol; 3-Nonene-1,2-diol; 6-Nonene-1,2-diol; 4-Hexene-1,3-diol, 2,4-dimethyl-; 2,4-Octadiene-1,7-diol, 3,7dimethyl-; 4-Hexene-2,3-diol/ 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 4-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 5-Hexene-2,3-dipl, 3,4-dimethyl-; 5-Hexene-2,3-diol, 3,4-dimethyl-; 1,3-Butanediol, 2-methyl-2-(2-propenyl); 6-Heptene-2,5-diol, 4,6-dimethyl-; 6-Heptene-1,5-diol, 6-methyl-; 6-Heptene-2,5-diol, 4,6-dimethyl-; 1,5-Pentanediol, 5-Hexene-2,3-djol, 3,5-dimethyl-; 5-Hexene-2,3-diol, 3,5-dimethyl-; Nonenediol; Octenediol; 5-Hexene-1,3-diol, 3,5-dimethyl-; 4-Nonene-1,8-diol; 4-Nonene-1,7-diol; 4-Nonene-1,6-diol; 6-Nonene-1,4-diol; 2-Nonene-1,4-diol; Nonene-2,5-diol; 5-Heptene-1,2-diol, 2-ethenyl-6-methyl-; 4-Hexene-2,3-diol, 2,5dimethyl-; 5-Heptene-2,3-diol,/ 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 1-Heptene-3,5-diol, 2,6-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 1,3-Propanediol, 2methyl-2-(3-methyl-3-butenyl)-; 5-Heptene-1,2-diol, 2,6-dimethyl-; 5,7-Octadiene-2,3diol, 2,6-dimethyl-; 5,7-Octagiene-2,3-diol, 2,6-dimethyl-; 5-Hexene-1,2-diol, 2-ethyl-; 2,4-Nonadiene-4-d-1,7-diol, 6-methyl-; 2,4-Nonadiene-1,6,7-d3-1,7-diol, 6-methyl-2,4-Nonadiene-1,7-diol, 6-methyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 1/,3-3-methyl/2-(4-3-methyl-2-(4-pentenylidene)-; 1,3-Butanediol, pentenylidene)-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Hexene-1,4-diol, 5,5-dimethyl-; 2-Nonene-1,4-diol; 2-Nonene-1,4-diol; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 5-Octene-1,3-diol; 7-Octene-1,3-diol, 2-methyl-; 4-Heptene-1,3-diol, 2-methyl-; 4-Octene-2,3-d2-1,2-diol; 4-Octene-2,3-d2-1,2-diol; 5-Heptene-1,2-diol, /3-methyl-; 5-Octene-1,2-diol; 3,7-Octadiene-1,6-diol, 2,6-dimethyl-; 5-Heptene-1,2-diol, 2,6dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 1,7-Octadiene-4,5-diol, 4,5-dimethyl-; 5-Heptene-1,3-diol, 2-methyl-; 5-Heptene-1,3-diol, 2-methyl-;/3-Hexene-1,6-diol, 3,4-dimethyl-; 3-Hexene-1,6-diol, 3,4-dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6dimethyl-; 2,6-Octadiene-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6dimethyl-; 2,6-Octadiene-1-d-1-t-1,8-diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1-t-1,8diol, 2,6-dimethyl-; 2,6-Octadiene-1-d-1,8-diol, 2,6-dimethyl-; 2-Heptene-1,5-diol, 6methyl-; 2-Heptene-1,5-diol, 6-methyl-; 8,9-Decadiene-3,5-diol; 8,9-Decadiene-3,5diol; 4,6-Nonadiene-1,3-diol, 8-methyl-; 3,6-Nonadiene-1,7-diol, 8-methyl-; 5-2-Nonene-1,9-diol; 2-Nonene-1,9-diol; 2,4-dimethyl-, Heptene-1,3-diol, Butanediol, 2-ethyl-2-(2-properlyl)-; /3-Heptene-1.5/diol, 6-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 1,3-Pentanediol, 2-ethenyl-4-methyl-; 5-Hexene-2,3-diol, 3,4dimethyl-; 5-Hexene-2,3-djól, 2,3,4-trimethyl-; /4-Pentene-1,2-diol, 2,3,3-trimethyl-; 1,3-Propanediol, 2-(2-methyl-2-propenyl)-2-(2-propenyl)-; 1,3-Propanediol, 2-(2butenyl)-2-(2-propenyl)-; /5-Hexene-1/,2-diol, /2-ethyl-/, 1,4-Butanediol, 2-(4-methyl-3pentenylidene)-; 6-Heptene-1/8-diol, 2-methyl-; 2,6-Octadiene-1,8-diol-2-13C, 2,6dimethyl-; 1-Hexene-3/4-diol//5/5-dimethyl-; /1-Hexene-3,4-diol, 5,5-dimethyl-; 1-Nonene-3,4-diol; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 7-Octene-1,2-diol, 2-methyl-; 1-Nonene-3,5-diol; 2/7-Octatione-1,6-diol, 2,6-dimethyl-; 7-Octene-1,2-diol; 7-Octene-1,2-diol; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 1,3-Propanediol, 2-(2,2dimethylpropylidene)-; 6-Octene 1,2/diol, 7-methyl-3-methylene-; 2,8-Decadiene-1,10-diol; 6-Octene-1,6-diol, 7-methyl-; 1,3-Butanediol, 2-(1-ethyl-1-propenyl)-; 4-Hexene-1,2-diol, 4-ethyl-3-methyl-; 8-Nonene-1,3-diol; 1,4-Butanediol, 2-(3-methyl-2butenyl)-3-methylene-; 2,6-Heptadjene-1,4-diol, 2,5,5-trimethyl-; 2,6-Heptadiene-1,4diol, 2,5,5-trimethyl-; 8-Nonene-2/4-diol; 2,6-Heptanediol, 4-methylene-; 3-Hexene-3,4-diol, 2,5-dimethyl-; 4-Octene-4,5-diol; 5-Hexene-1,2-diol, 2,3-dimethyl-; 2,4-dimethyl-; 2-ethenyl-2,5/dimethyl-; 3-Hexene-1,5-diol, Hexene-1,6-diol, Hexene-1,5-diol, 2,4-dimethyl-; /3,7-Octadiene-2,6-diol, 2,6-dimethyl-; 3,6-Octadiene-1,2-diol, 3,7-dimethyl-; 7-Octene-2,3-diol, 6-methyl-; 7-Octene-2,3-diol, 6-methyl-; 7The state of the s

Octene-2,3-diol, 6-methyl-; 2,5-Octadiene-1,7-diol, 3,7-dimethyl-; 6-Octene-1,3-gliol, 7-methyl-; Decadienediol; 6-Heptene-1,2-diol, 2,3-dimethyl-; 4-Hexene-1,3-diol/, 3,5dimethyl-; 4-Pentene-1,3-diol, 2-(1,1-dimethylethyl)-; 4-Pentene-1,3-diol, /2-(1,1dimethylethyl)-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1-Heptene-3,5-diol, 6,6-dimethyl-; 1,3-Hexanediol, 5-methyl-4-methylene-; 4-Octene-1,2-diol; 2,3-Heptanediol, 3ethenyl-; 2,3-Heptanediol, 3-ethenyl-; 5-Hexene-1,3-diol, 2,4-dimethy/l-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 5-Hexene-1,3-diol, 2,4-dimethyl-; 2,6-Octagiene-1-t-1,8-diol, 3,7-dimethyl-; 8-Nonene-2,4-diol; 8-Nonene-2,4-diol; 1,3-Octanediol, 2-methylene-; 8-Nonene-1,3-diol; 5-Heptene-1,4-diol, 3,6-dimethyl-; 5-Heptene-1,4-diol, dimethyl-; 4-Octene-2,3-diol; 4-Octene-2,3-diol; 5,7-Octadiene-1,4-diol, 2,7-dimethyl-; 7-Octene-1,3-diol, 7-methyl-; 2-Heptene-1,5-diol, 5-ethyl-; 2-Heptene-1,5-diol, 5ethyl-; 1,3-Pentanediol, 2-ethenyl-3-ethyl-; 5-Heptene, 2,4-diol, 2,3-dimethyl-; 5-Heptene-2,4-diol, 2,3-dimethyl-; 8-Nonene-3,4-diol; 8-Nonene-3,4-diol; 5-Hexene-1,3-diol, 4,5-dimethyl-; 5-Hexene-1,3-diol, 4,5-dimethyl-; 4,6-Octadiene-2,3-diol, 3,7dimethyl-; 1,3-Butanediol, 2,2-diallyl-; 1,9-De¢adiéne-3,8-diol; 2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; /2-Heptene-1,4-diol, 5,6-dimethyl-; 2-Heptene-1,4-diol, 5-methyl-; 2,8-Decadiene-5,6-diol; 2,7-Octadiene-1,6-diol, 2,6dimethyl- (8-Hydroxylinalool) 6-Heptene-1,2-diol, 2-methyl-; 5-Hexene-1,3-diol, 2,3dimethyl-; 2,6-Octadiene-1/8-diol/, 6-methyl-2-(methyl-13C)-; 1,3-Propanediol, 2-(5hexenyl)-; 8-Nonene-3,4/diol; /5/Hexene/1,3-diol, /3-ethyl-; 7-Octene-3,4-diol; 6-Heptene-1,2-diol, 2-methyl-; 6/Heptene-2,4-diol, 4-(2-propenyl)-; 2,6-Octadiene-1,4diol, 3,7-dimethyl-; 8-Nonene 3,4-diol; 6-Heptene-2,3-diol, 6-methyl-; 6-Heptene-2,3diol, 2,6-dimethyl-; 4/Hexene-2,3-diol, 2,5-dimethyl-; 4,6-Octadiene-2,3-diol, 2,6dimethyl-; 7-Octene-2,3-diol, 2-methyl-6-methylene-; 7-Octene-2,3-diol, 6-methyl-; 4,6-Octadiene-2,3-dio, 2,6-dimethyl-; 1,4-Heptanediol, 6-methyl-5-methylene-; 2-Butene-1,4-diol, 2-(4+methyl-3-pentenyl)-; 4-Octene-1,2-diol; 4-Octene-1,2-diol; 7-Octene-2,4-diol; 6-Heptene-2,4-diol, 3-methyl-; 6-Heptene-2,4-diol, 3-methyl-; 3-Heptene-2,5-diol, 2,4-dimethyl-; 1,3-Butanediol, 2-(3-methyl-2-butenyl)-; 7-Octene-3,5-diol, 2-methyl-; 7-0¢tene-3,5-diol, 2-methyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 6-Heptene-2,4-diol, 5,5-dimethyl-; 1,3-Propanediol, 2-methyl-2-(2-methylallyl)-; 2-Heptene-1,6-diol, 6-methyl, 1,3-Butanediol, 2-allyl-3-methyl-; 2-Nonene-1,4-diol; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl-; 5-Hexene-2,3-diol, 4-ethenyl-2,5-dimethyl-2-(1-5-Heptene-1,3-diol, 3,6-dimethyl-; 1,5-Hexanediol, 2-Nonene-1,4-diol; methylethenyl)-; and 1,3^LPropanediol, 2-(1-pentenyl)-.





- The principal solvent of Claim 124, which is a mixture of 8-carbon diol isomers consisting essentially of: 2,2,4-trimethyl-1,3-pentanediol; 2-ethyl-1,3-hexanediol; 2,2-dimethyl-1,3-hexanediol; 2-ethyl-4-methyl-1,3-pentanediol; 2-ethyl-3-methyl-1,3-pentanediol; 3,5-octanediol; 2,2-dimethyl-2,4-hexanediol; 2-methyl-3,5-heptanediol; and/or 3-methyl-3,5-heptanediol, the level of any individual diol isomer being less than about 90% of any mixture.
- 130. The principal solvent of Claim 129, wherein the level of any individual diol isomer is less than about 80% of any mixture.
- 131. The principal solvent of Claim 129, wherein the level of any individual diol isomer is less than about 70% of any mixture.
- 132. The principal solvent of Claim 129, wherein the level of any individual diol isomer is less than about 60% of any mixture.
- 133. The principal solvent of Claim 129, wherein the level of any individual diol isomer is less than about 50% of any mixture.
- 134. An aqueous, stable, fabrid softener composition comprising:
 - A. from about 2% to about 80% of fabric softener active selected from the group consisting of:
 - 1. fabric softener compound having the formula:

$$\left[(R)_{4-m} - N^{(+)} / [(CH_2)_n - Y - R^1]_m \right] X^{(-)}$$
(1)

wherein each R substituent is H, or a short chain C₁-C₆ alkyl or hydroxyalkyl group, benzyl, or mixtures thereof;

each m is 2 or 3;

each n is from 1 to about 4;

each Y is -O-(O)C-, -(R)N-(O)C-, -C(O)-N(R)-, or -C(O)-O-, but not -OC(O)O-;

each R¹ is a long chain hydrocarbyl, or substituted hydrocarbyl substituent group;

the sum of carbons in each R^1 , or YR^1 when Y is -O-(O)C- or -(R)N-(O)C-, is C_6 - C_{22} ; and when the sum of carbons in one R^1 , or YR^1 , is less than about 12, then the said sum of carbon atoms in the other R^1 , or YR^1 , is at least about 16; and when R^1 , or YR^1 , is a C_{16} - C_{20} hydrocarbyl or substituted hydrocarbyl substituent group, the lodine Value of a YR^1 fatty acid which contains this R^1 group is from about 20 to about 140; and when R^1 , or YR^1 , is a C_8 - C_{14} , hydrocarbyl, or substituted hydrocarbyl substituent group, the lodine Value of a fatty acid which contains this R^1 group is about 10 or less;

2. fabric softener compound having the formula:

 $\begin{bmatrix} R_3 N^{(+)} CH_2 CH & X^{(-)} \\ CH_2 XR^1 & X^{(-)} \\ \end{bmatrix}$

wherein each Y, R, R, and X have the same meanings as before; and

- 3. mixtures thereof;
- B. less than about 40% by weight of the composition of principal solvent having a ClogP of from about 0.15 to about 0.64, and which are not symmetrical, said principal solvent optionally comprising levels of solvents selected from the group consisting of: n-propanol; 2,2,4-trimethyl-1,3-pentane diol; the ethoxylate, diethoxylate, or triethoxylate derivatives of 2,2,4-trimethyl-1,3-pentane diol; 2-ethylhexyl-1,3-diol, and mixtures thereof, which are insufficient to provide an aqueous stable composition when used by themselves at said levels;
- c. optionally, an effective level, sufficient to improve clarity, of low molecular weight water soluble solvents selected from the group consisting of: ethanol, isopropanol, propylene glycol, 1,3-propanediol, and propylene carbonate, and mixtures thereof, said water soluble solvents being at a level that will not form clear compositions when used by themselves at that level;

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- D. optionally, an effective amount to improve clarity, of water soluble calcium and/or magnesium salt; and
- E. the balance being water.
- 135. The aqueous, stable, fabric softener composition of Claim 134, comprising:
 - A. from about 13% to about 75% of said fabric softener active selected from the group consisting of:
 - 1. fabric softener compound having the formula:

$$\left[(R)_{4-m} - N^{(+)} - [(CH_2)_n - Y - R^{1}]_m \right] X^{(-)}$$
(1)

wherein each R substituent is H, or a short chain C₁-C₃ alkyl or hydroxyalkyl group, benzyl or mixtures thereof.

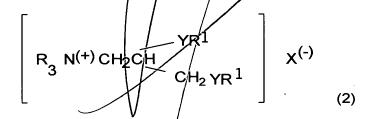
each m is 2; each n is from 2 to about 3;

each Y is -O-(O)C-;

each R¹ is a long chain Cg-C16 hydrocarbyl,

and when R¹ is a C₁₅-C₁₉ hydrocarbyl or substituted hydrocarbyl substituent group, the lodine value of a fatty acid containing this R¹ group is from about 50 to about 130; and when R¹ is a C₇-C₁₃ hydrocarbyl or substituted hydrocarbyl substituent group, the lodine Value of a fatty acid containing this R¹ group is about 10 or less;

2. fabric softener compound/having the formula:



wherein each Y, R, R¹, and X⁽⁻⁾ have the same meanings as before; and

- 3. mixtures thereof;
- B. from about 10% to about 35% by weight of the composition of said principal solvent, said principal solvent having a ClogP of from about 0.25 to about 0.62, excluding n-propanol;

- C. optionally, from about 1% to about 10%, and sufficient to improve clarity, of low molecular weight water soluble solvents selected from the group consisting of: ethanol, isopropanol, propylene glycol, 1,3 propanediol, propylene carbonate, and mixtures thereof, said water soluble solvents being unable to form clear compositions by themselves at this level,
- D. optionally, from 0% to about 2%, and sufficient to improve clarity, modify viscosity, or improve clarity and achieve the desired viscosity, of water soluble calcium and/or magnesium salt; and
- E. from about 10% to about 80% water.
- 136. The aqueous, stable, fabric softener composition of Claim 135, comprising:
 - A. from about 17% to about 70% of said fabric softener active selected from the group consisting of:
 - 1. fabric softener compound having the formula:

$$(R)_{4-m} - N^{(+)} - [(CH_2)_n - Y - R^{-1}]_m$$
(1)

wherein each R substituent is H, or a short chain C₁-C₃ alkyl or hydroxyalkyl group, benzyl or mixtures thereof;

each m is 2;

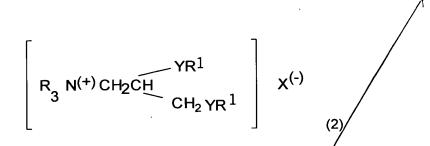
each n is from 2 to about/3;

each Y is -O-(O)C-;

each R¹ is a long chain C₇-C₁₇ hydrocarbyl, or substituted hydrocarbyl substituent;

and when R is a C₁₅-C₁₇ hydrocarbyl or substituted hydrocarbyl substituent group, the lodine Value of a fatty acid containing this R¹ group is from about 70 to about 115; and when R¹ is a C₇-C₁₃, or substituted hydrocarbyl substituent group, the lodine Value of a fatty acid containing this R¹ group is about 5 or less;

2. fabric softener compound having the formula:



wherein each Y, R, R¹, and X⁽⁻⁾ have the same meanings as before; and

- 3. mixtures thereof;
- B. from about 12% to about 35% by weight of the composition of said principal solvent, said principal solvent having a ClogP of from about 0.40 to about 0.60;
- C. optionally, from about 2% to 8%, and sufficient to improve clarity, of low molecular weight water soluble solvents selected from the group consisting of: ethanol, isopropanol, propylene glycol, 1,3-propanediol, propylene carbonate, and mixtures thereof;
- D. optionally, from about 0.05% to about 0.5%, and sufficient to improve clarity, modify viscosity, or improve clarity and achieve the desired viscosity, of water soluble calcium and/or magnesium salt; and
- E. from about 20% to about 80% water.

137. The aqueous, stable, fabric softener composition of Claim 136, said composition being clear and comprising:

- A. from about 19% to about 65% by weight of the composition, of said fabric softener:
 - 1. fabric softener compound having the formula:

$$\left[(R)_{4-m} - N^{(+)} - [(CH_2)_n - Y - R^{1}]_m \right] X^{(-)}$$
(1)

wherein each R substituent is methyl, ethyl, propyl, hydroxyethyl, benzyl or mixtures thereof;

each n is 2;

each R^1 is a long chain C_{13} - C_{17} straight chain alkyl or alkylene, and when R^1 is a C_{15} - C_{17} hydrocarbyl or substituted hydrocarbyl substituent group, the Iodine Value of a fatty acid containing_this R^1 group is from about 70 to about 115;

- B. from about 14% to about 35% by weight of the composition of said principal solvent, said principal solvent having a ClogP of from about 0.40 to about 0.60;
- C. optionally, from about 2% to 8%, and sufficient to improve clarity, of low molecular weight water soluble solvents selected from the group consisting of: ethanol, isopropanol, propylene glycol, 1,3-propanediol, and propylene carbonate;
- D. optionally, from about 0.1% to about 0.25%, and sufficient to improve clarity, modify viscosity, or improve clarity and achieve the desired viscosity, of water soluble calcium or magnesium chloride, acetate, or nitrate; and
- E. from about 30% to about 70% water.

138. A composition comprising:

- A. from about 2% to about 80% of biodegradable fabric softener active selected from the group consisting of:
 - 1. softener having the formula:

$$(R)_{4-m} - N^{(+)} - [(CH_2)_n - Y - R^{-}]_m$$
 $X^{(-)}$

wherein each R substituent is H, or a short chain C_1 - C_6 alkyl or hydroxyalkyl group, benzyl, or mixtures thereof; each m is 2 or 3; each n is from 1 to about 4 each Y is -O-(O)C-, -(R)N-(O)C-, -C(O)-N(R)-, or -C(O)-O-, the sum of carbons in each R^1 or YR^1 plus one when Y is -O-(O)C- or -(R)N-(O)C-, being C_6 - C_{22} , but when one R^1 or YR^1 sum of carbons is less than about 12, then the sum of carbons in the other R^1 or YR^1 is at least about 16, with each R^1 being a long chain hydrocarbyl, or substituted hydrocarbyl substituent, and for R^1 or YR^1 comprising a C_{15} - C_{21} straight chain alkyl/or alkylene group, the lodine Value of a fatty acid which contains this R^1 group being from about 20 to about 140, and wherein the counterion, X^- , can be any softener-compatible anion;

2. softener having the formula:

$$\begin{bmatrix} R_3 N^{(+)} CH_2 CH & YR^1 \\ CH_2 YR^1 \end{bmatrix} X^{(-)}$$
(2)

wherein each Y, R, R^1 , and $X^{(-)}$ have the same meanings as before; and 3. mixtures thereof;

B. less than about 40% by weight of the composition of principal alcohol solvent selected from the group consisting of:

- I. mono-ols selected from the group consisting of: 2-butanol and/or 2-methyl-2-propanol;
- II. hexane diol isomers selected from the group consisting of: 2,3-butanediol, 2,3-dimethyl-; 1,2-butanediol, 2,3-dimethyl-; 1,2-butanediol, 3,3-dimethyl-; 2,3-pentanediol, 2-methyl-; 2,3-pentanediol, 3-methyl-; 2,3-pentanediol, 4-methyl-; 2,3-hexanediol; 3,4-hexanediol; 1,2-butanediol, 2-ethyl-; 1,2-pentanediol, 4-methyl-; and/or 1,2-hexanediol; 1,2-pentanediol, 4-methyl-; and/or 1,2-pentanediol, 4-methyl-; 1
- III. heptane diol isomers selected from the group consisting of: 1,3propanediol, 2-butyl-; 1,3-propanediol, 2,2-diethyl-; 1,3-propanediol, 2-(1methylpropyl)-; 1,3-propanediol, 2,2-methylpropyl)-; 1,3-propanediol, 2methyl-2-propyl-; 1,2-butanediol, 2,3,3-trimethyl-; 1,4-butanediol, 2-ethyl-2-methyl-; 1,4-butanediol, 2-ethyl-3-methyl-; 1,4-butanediol, 2-propyl-; 1,4butanediol, 2-isoprobyl-;////,5-pentanedjøl, 2,2-dimethyl-; 1,5-pentanediol, 1,5-pentanediol, 2,4-dimethyl-; 1,5-pentanediol, 2,3-dimethyl-; dimethyl-; 2,3-pentanediol, 2,3-dimethyl-; 2,3-pentanediol, 2,4-dimethyl-; 3,4-dimethyl-; 2,3-pentanediol, 4,4-dimethyl-; 2,3-pentanediol, pentanediol, 2,3-dimethyl-;/1,5-pentanediol, 2-ethyl-; 1,6-hexanediol, 2methyl-; 1,6-hexarlediol, / 3-methyl-; 2,3-hexanediol, 2-methyl-; 2,3hexanediol, 3-methyl-; 2,3-hexanediol, 4-methyl-; 2,3-hexanediol, 5methyl-; 3,4-hexanediol, 2-methyl-; 3,4-hexanediol, 3-methyl-; 1,3heptanediol; 1,4-heptanediol; 1,5-heptanediol; and/or 1,6-heptanediol;
- IV. octane diol isomers selected from the group consisting of: 1,3-propanediol, 2-(2-methylbutyl)-; 1,3-propanediol, 2-(1,1-dimethylpropyl)-1,3-propanediol, 2-(1,2-dimethylpropyl)-; 1,3-propanediol, 2-(1-methylbutyl)-; 1,3-propanediol, 2-(2,2-dimethylpropyl)-; 1,3-propanediol, 2-(3-methylbutyl)-; 1,3-propa

butyl-2-methyl-; 1,3-propanediol, 2-ethyl-2-isopropyl-; 1,3-propanediol, 2-2-methyl-2-(1-methylpropyl)/; 1.3-propanediol, ethyl-2-propyl-; propanediol, 2-methyl-2-(2-methylpropyl)-; 1,3-propanediol, /2-tertiary-1,3-butanediol, 2-(1-2,2-diethyl-; 1,3-butanediol, butyl-2-methyl-; 2-butyl-; 1,3-butanediol/, 2-ethyl-2,3-1,3-butanediol, methylpropyl)-; dimethyl-; 1,3-butanediol, 2-(1,1-dimethylethyl)-; 1,3-butanediol, 2-(2methylpropyl)-; 1,3-butanediol, 2-methyl-2-isopropyl-; /1,3-butanediol, 2methyl-2-propyl-; 1,3-butanediol, 3-methyl-2-isopropyl-; 1,3-butanediol, 3methyl-2-propyl-; 1,4-butanediol, 2,2-diethyl-; 1,4-butanediol, 2-methyl-2propyl-; 1,4-butanediol, 2-(1-methylpropyl)-; 1,4-butanediol, 2-ethyl-2,3dimethyl-; 1,4-butanediol, 2-ethyl-3,3-dimethyl-/ 1,4-butanediol, 2-(1,1dimethylethyl)-; 1,4-butanediol, 2-(2-methylpropyl)-; 1,4-butanediol, 2methyl-3-propyl-; 1,4-butanediol, 3-methyl-2, sopropyl-; 1,3-pentanediol, 2,2,3-trimethyl-; 1,3-pentanediol, 2,2,4-trimethyl-; 1,3-pentanediol, 2,3,4-2,4,4-trimethyl-; 1,3-pentanediol, 3,4,4-1,3-pentanediol, trimethyl-; 1,4-pentanediol, 2,2,4-2.23-trimethyl-; 1,4-pentanediol, trimethyl-: 2,3,4-1,4-pentanediol, 2,3,3-trime/hyl-; 1,4-pentanediol, trimethyl-; 2,2,3-1,5-pentanediol, 3.3.4-trimethyl-; 1,4-pentanediol, trimethyl-; 2,3,3-1,5-pentanediol, ,2,4-trimethyl-; 1,5-pentanediol, trimethyl-; 2,3,3-2/4-pentanediol, 2,3,4-trimethyl-; 1,5-pentanediol, trimethyl-; 2,3,4-frimethyl-; 1,3-pentanediol, 2-ethyl-2trimethyl-; 2,4-pentanediol, 1,3-pentanediol, 2-ethyl-4methyl-; 1,3-pentanediol, 2/ethyl/3-methyl-; methyl-; 1,3-pentanediol, /3-ethyl-2-methyl-; 1,4-pentanediol, 2-ethyl-2methyl-; 1,4-pentanediol, 1/2-ethyl-3-methyl-; 1,4-pentanediol, 2-ethyl-4-3-ethyl-2-methyl-; 1,4-pentanediol, 3-ethyl-3methyl-; 1,4-pentanedio/, methyl-; 1,5-pentanediol, 2-ethyl-2-methyl-; 1,5-pentanediol, 2-ethyl-3methyl-; 1,5-pentanediol, 2-ethyl-4-methyl-; 1,5-pentanediol, 3-ethyl-3methyl-; 2,4-pentanediol, 3-ethyl-2-methyl-; 1,3-pentanediol, 2-isopropyl-; 1,3-pentanediol, 2-propyl-; /1,4-pentanediol, 2-isopropyl-; 1,4-pentanediol, 2-propyl-; 1,4-pentanediol, 3-isopropyl-; 1,5-pentanediol, 2-isopropyl-; 2,4pentanediol, 3-propyl-; 1,3-hexanediol, 2,2-dimethyl-; 1,3-hexanediol, 2,3dimethyl-; 1,3-hexanediol, 2,4-dimethyl-; 1,3-hexanediol, 2,5-dimethyl-; 3,5-dimethyl-; 1,3-3,4-dimethyl-; 1,3-hexanediol, 1.3-hexanediol, hexanediol, 4,5-dimethyl-; 1,4-hexanediol, 2,2-dimethyl-; 1,4-hexanediol, 2,3-dimethyl-; 1,4-hexanediol, 2,4-dimethyl-; 1,4-hexanediol, 2,5-dimethyl-1,4-hexanediol, 3,3-dimethyl-; 1,4-hexanediol, 3,4-dimethyl-; 1,4-

hexanediol, 3,5-dimethyl-; 1,3-hexanediol, 4,4-dimethyl-; 1,4-hexanediøl, 4,5-dimethyl-; 1,4-hexanediol, 5,5-dimethyl-; 1,5-hexanediol, 2,2-dimethyl-; 1,5-hexanediol, 2,3-dimethyl-; 1,5-hexanediol, 2,4-dimethyl-; 1,5hexanediol, 2,5-dimethyl-; 1,5-hexanediol, 3,3-dimethyl-; 1,5-hexanediol, 3,4-dimethyl-; 1,5-hexanediol, 3,5-dimethyl-; 1,5-hexanediol, 4,5/dimethyl-1,6-hexanediol, 2,2-dimethyl-; 1,6-hexanediol, 2,3-dimethyl-; 1,6hexanediol, 2,4-dimethyl-; 1,6-hexanediol, 2,5-dimethyl-; 1,6-hexanediol, 3,3-dimethyl-; 1,6-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 2,3-dimethyl-2,5-dimethyl-; 2,4-2,4-hexanediol, 2,4-dimethyl-; 2,4-hexanediol, hexanediol, 3,3-dimethyl-; 2,4-hexanediol, 3,4-dimethyl-; 2,4-hexanediol, 3,5-dimethyl-; 2,4-hexanediol, 4,5-dimethyl-; 2,4-hexanediol, 5,5-dimethyl-: 2.5-hexanediol, 2,3-dimethyl-; 2,5-hexanediól, 2,4-dimethyl-; 2,5hexanediol, 2,5-dimethyl-; 2,5-hexanediol, 3,3-dimethyl-; 2,5-hexanediol, 3,4-dimethyl-; 2,6-hexanediol, 3,3-dimethyl-; 1/3-hexanediol, 2-ethyl-; 1,3hexanediol, 4-ethyl-; 1,4-hexanediol, 2-ethyl-; 1,4-hexanediol, 4-ethyl-; 1,5-hexanediol, 2-ethyl-; 2,4-hexanediol, 3-ethyl-; 2,4-hexanediol, 4-ethyl-; 2,5-hexanediol, 3-ethyl-; 1,3-heptanediol, 2-methyl-; 1,3-heptanediol, 3methyl-; 1,3-heptanediol, 4-methyl-; /1,3-heptanediol, 5-methyl-; 1,3heptanediol, 6-methyl-; 1,4-heptanediol, 2-methyl-; 1,4-heptanediol, 3methyl-; 1,4-heptanediol, /4-m/ethyl-/, /1,4-heptanediol, 5-methyl-; 1,4heptanediol, 6-methyl-; 1,5-heptanediol, 2-methyl; 1,5-heptanediol, 3methyl-; 1,5-heptanediol, 4/methyl-; 1,5-heptanediol, 5-methyl-; 1,5heptanediol, 6-methyl-, 1,6/heptanediol, 2-methyl-, 1,6-heptanediol, 3methyl-; 1,6-heptanediol, /4-methyl-; 1,6-heptanediol, 5-methyl-; 1,6heptanediol, 6-methyl, 2/4-heptanediol, 2-methyl-; 2,4-heptanediol, 3methyl-; 2,4-heptanediol, 4-methyl-; 2,4-heptanediol, 5-methyl-; 2,4heptanediol, 6-methyl-; 2,5-heptanediol, 2-methyl-; 2,5-heptanediol, 3methyl-; 2,5-heptanediol, 4-methyl-; 2,5-heptanediol, 5-methyl-; 2,5heptanediol, 6-methyl-\\2,6-heptanediol, 2-methyl-; 2,6-heptanediol, 3methyl-; 2,6-heptanediol, / 4-methyl-; 3,4-heptanediol, 3-methyl-; 3,5heptanediol, 2-methyl-; 3,5-heptanediol, 3-methyl-; 3,5-heptanediol, 4methyl-; 2,4-octanediol; /2,5-octanediol; 2,6-octanediol; 2,7-octanediol; 3,5-octanediol; and/or 3,6-octanediol;

V. nonane diol isomers selected from the group consisting of: 2,4-pentanediol, 2,3,3,4-tetramethyl-; 2,4-pentanediol, 3-tertiarybutyl-; 2,4-hexanediol, 3,3,4-trimethyl-; 2,4-hexanediol, 3,4-trimethyl-; 3,4-trimethyl-; 3,4-trimethyl-; 3,4-trimethyl-; 3,4-trimethyl-; 3,4-

2,4-hexanediol, 3.5.5-trimethyl-; hexanediol. 3,3,5-trimethyl-; hexanediol, 4,5,5-trimethyl-; 2,5-hexanediol, 3,3,4-trimethyl-; and/or 2,5hexanediol, 3,3,5-trimethyl-;

VI. glyceryl ethers and/or di(hydroxyalkyl)ethers selected from the group consisting of: 1,2-propanediol, 3-(n-pentyloxy)-; 1,2-propanediol, 3-(2pentyloxy)-; 1,2-propanediol, 3-(3-pentyloxy)-; 1,2-propanediol, methyl-1-butyloxy)-; 1,2-propanediol, 3-(iso-amyloxy)-; 1/,2-propanediol, 3-3-(cyclóhexyloxy)-; 1,2-propanediol, (3-methyl-2-butyloxy)-; propanediol, 3-(1-cyclohex-1-enyloxy)-; 1,3-propanediol, 2-(pentyloxy)-; 1,3-propanediol, 2-(2-pentyloxy)-; 1,3-propanediol/, 2-(3-pentyloxy)-; 1,3propanediol, 2-(2-methyl-1-butyloxy)-; 1,3-propanediol, 2-(iso-amyloxy)-; 2-2-(3-methyl-2-butyloxy)-; 1,3-propanediol, 1,3-propanediol, 1.2-2-(1-cýclohex-1-enyloxy)-; 1,3-propanediol, (cyclohexyloxy)-; propanediol, 3-(butyloxy)-, triethoxylated; 1/2-propanediol, 3-(butyloxy)-, tetraethoxylated; 1,2-propanediol, 3-(butyloxy)-, pentaethoxylated; 1,2propanediol, 3-(butyloxy)-, hexaethoxylated; 1,2-propanediol, 3-(butyloxy)-. heptaethoxylated; 1,2-propanedial, 3-(butyloxy)-, octaethoxylated; 1,2propanediol, 3-(butyloxy)-, nonaéthoxylated/1,2-propanediol, 3-(butyloxy)-, monopropoxylated; 1,2-propanediol, 3-(butyloxy)-, dibutyleneoxylated; 1,2-propanediol, 3-(butyloxy)/, tributyloheoxylated; 1,2-propanediol, 3-1,2-propanediol, 3-benzytoxy-; 1,2-propanediol, 3-(2phenyloxy-; 3-(1-phenyl-2-propanyloxy)-; 1,3-1,2/propanedio/ phenylethyloxy)-; 1,3-1,3-propanediol, 2-(m-cresyloxy)-; 2-phenyloxy propanediol, 1,3-propanédiol, 1,3--benzyloxy-; 2-(p-¢resyloxy) propanediol, propanediol, 2-(2-phenylethyloxy)-; 1,3-propanediol, 2-(1-phenylethyloxy)-; bis(2-hydroxybutyl)ether; and/or bis(2-hydroxycyclopentyl)ether

VII. saturated and unsaturated alicyclic diols and their derivatives selected from the group consisting of:

the saturated diols and their derivatives, selected from the group (a) 1 sopropyl-1,2-cyclobutanediol; 3-ethyl-4-methyl-1,2consisting of: cyclobutanediol; 3-propyl-1,2-cyclobutanediol; 3-isopropyl-1,2-1,2-dimethyl-1,2-1-ethyl-1,2-cyclopentanediol; cyclobutanediol; 1.4-dimethyl-1,2-cyclopentanediol; 2,4,5-trimethyl-1,3cyclopentanediol; 3,3-dimethyl-1,2-cyclopentanediol; 3,4-dimethyl-1,2cyclopentanediol; 3-ethyl-1,2-3.5-dimethyl-1,2-cyclopentanediol; cyclopentanediol; 4-ethyl-1,2-4.4-dimethyl-1,2-cyclopentanediol; cyclopentanediol;

1,2-1,1-bis(hydroxymethyl)cyclohexane; cyclopentanediol; bis(hydroxymethyl)cyclohexane; 1,2-dimethyl-1,3-cyclohexanediol; 1.3bis(hydroxymethyl)cyclohexane; 1,3-dimethyl-1,3-cyclohexane/diol; 1,6dimethyl-1,3-cyclohexanediol; 1-hydroxy-cyclohexaneethanol, 1-hydroxy-1-methyl-1,2-1-ethyl-1,3-cyclohexanediol; cyclohexanemethanol; 3-dimethyl-1,4-2,2-dimethyl-1,3-cyclohexanediol; cyclohexanediol; 2,5-dimethyl-1,3-2,4-dimethyl-1,3-cyclohexanediol; cyclohexanediol; 2-ethyl-1,3-2,6-dimethyl-1,4-cyclohexanediól; cyclohexanediol; 2-hydroxyethyl-1-2-hydroxycyclohexaneethanol; cyclohexanediol; 3-hydroxyethyl-1-cyclohexanol; cyclohexanol; hydroxycyclohexaneethanol; 3-hydroxymethylcyclohexanol; 3-methyl-1,2-4,5-dimethyl-1,3-4,4-dimethyl-1,3-cyclohexamediol; cyclohexanediol; 4-ethyl-1,3-4,6-dimethyl-1,3-cyclohéxanediol; cyclohexanediol; 4-methyl-1,2-4-hydroxyethyl-1-cycļóhexanol; cyclohexanediol; 5-ethyl-1,3-5.5-dimethyl-1,3-cyclohexanediol; cyclohexanediol; cyclohexanediol; 1,2-cycloheptanediol; 2-methyl-1,3-cycloheptanediol; 2methyl-1,4-cycloheptanediol; /4-methyl-1/3-cycloheptanediol; 5-methyl-1,3-5-methyl/1,4-cycloheptanediol; 6-methyl-1,4cycloheptanediol; 1,4-cyclooctanediol; 3-cyclooctanediol; cycloheptanediol; cyclooctanediol; 1,2-cyclohexanediol, diethoxylate; 1,2-cyclohexanediol, triethoxylate; 1,2-cyclohexanediol, tetraethoxylate; 1,2-cyclohexanediol, 1,2hexaethoxylate; 1,2-cyclohexanediol, pentaethoxylate; cyclohexanediol, heptaethoxylate; 1,2-cyclohexanediol, octaethoxylate; 1,2-cyclohexanediol, nonaethoxylate; 1,2-cyclohexanediol, 1,2monobutylenoxylate; 1,2-cyclohexanediol, monopropoxylate; 1,2-cyclohexanediol, and/or dibutylenoxylate; cyclohexanediol, tributylenoxylate; and (b). the unsaturated alicyclic diols selected from the group consisting of: 1,2-cyclobutanediol, 1-ethenyl-2-ethyl-; 3-cyclobutene-1,2-diol, 1,2,3,4tetramethyl-; 3-cyclobutene-1,2-diol, 3,4-diethyl-; 3-cyclobutene-1,2-diol, 1,2-3-cyclobutene-1,2-diol, 3-butyl-; 3-(1,1-dimethylethyl)-; cyclopentanediol, 1,2-dimethyl-4-methylene-; 1,2-cyclopentanediol, ethyl-3-methylene-; 1,2-cyclopentanediol, 4-(1-propenyl); 3-cyclopentene-1-ethenyl-; 1.2-1,2-cyclohexanediol, 1-ethyl-3-methyl-; 1,2-diol, cyclohexanediol, 1-methyl-3-methylene-; 1,2-cyclohexanediol, 1-methyl-4methylene-; 1,2-cyclohexanediol, 3-ethenyl-; 1,2-cyclohexanediol, 4ethenyl-; 3-cyclohexene-1,2-diol, 2,6-dimethyl-; 3-cyclohexene-1,2-diol, 6,6-dimethyl-; 4-cyclohexene-1,2-diol, 3,6-dimethyl-; 4-cyclohexene-1,2-diol, 4,5-dimethyl-; 3-cyclooctene-1,2-diol; 4-cyclooctene-1,2-diol; and/or 5-cyclooctene-1,2-diol;

VIII. Alkoxylated derivatives of C₃₋₈ diols selected from the group

consisting of:

1. 1,2-propanediol 2(Me-polyethoxy₁₋₄); 1,2-propanediol polypropoxy₄; 1,2-propanediol, 2-methyl- (Me-polyethoxy₄₋₁₀);/1,2-propanediol, 2methyl- 2(Me-polyethoxy₁); 1,2-propanediol, 2-methyl- polypropoxy₃; polybutoxy₁; 1,8-propanediol 1,2-propanediol, 2-methylpolypropøxy₅₋₆; 1,3-propanediol, polyethoxy₆₋₈); 1,3-propanediol 1,3-propanediol, 2,2-diethyl-2,2-diethylpolyethoxy₁₋₇; polypropoxy₁; 1,3-propanediol, 2,2-diethýl- n-polybutoxy₁₋₂; 1,3propanediol, 2,2-dimethyl- 2(Me polyethóxy₁₋₂); 1,3-propanediol, 2,2-1,3-propanediol, 2-(1-methylpropyl)polypropoxy3_4; dimethylpolyethoxy₁₋₇; 1,3-propanediol, 2,4(1,4-methylpropyl)polypropoxy₁; 2-(1-methylpropyi)-1,3-1,3-propanediol, n-polybutoxy₁₋₂; propanediol, 2-(2-methylpropyl)-//polyethoxy₁₋₇; 1,3-propanediol, 2-(2methylpropyl)- polypropøxy1;/1,3/prøpanediol, 2-(2-methylpropyl)- npolybutoxy₁₋₂; 1,3-propanedlol, /2/ethyl- (Me/polyethoxy₆₋₁₀); 1,3propanediol, 2-ethyl- / 2(Me/polyethoxy1); 1,3-propanediol, 2-ethylpolypropoxy3; 1,3-propanedio), 2-ethyl-2-methyl- (Me polyethoxy₁₋₆); 1,3-propanediol, 2-ethyl-4-methyl- polypropoxy2; 1,3-propanediol, 2phlybutoxy1; 1,3-propanediol, 2-isopropylethyl-2-methylpolyethoxy₁₋₆); 1,\$-propanedio, 2-isopropylpolypropoxy₂; 1,3propanediol, 2-isopropyl-/ polybutoxy₁; 1,3-propanediol, 2-methyl-2(Me polyethoxy₂₋₅); 1/3/propanediol, 2-methyl- polypropoxy₄₋₅; 1,3propanediol, 2-methy/polybutoxy₂; 1,3-propanediol, 2-methyl-2pełyethoxy2-9; 1,3-propanediol, 2-methyl-2-isopropylpolypropoxy₁; 1,3-propanediol, 2-methyl-2-isopropyl- n-polybutoxy₁₋ 1,3-propanediol, / 2-methyl-2-propylpolyethoxy₁₋₇; 1,3propanediol, 2-methýl-2-propyl- polypropoxy₁; 1,3-propanediol, 2methyl-2-propyl- n/polybutoxy₁₋₂; 1,3-propanediol, 2-propyl-(Me polyethoxy₁₋₄); 1,\beta-propanediol, 2-propyl-1,3polypropoxy2; propanediol, 2-propyl- polybutoxy1;

2. 1,2-butanediol (Me polyethoxy₂₋₈); 1,2-butanediol polypropoxy₂₋₃; 2,3-dimethy/ 1,2-butanediol, polybutoxy₁; 1.2-butanediol polyethoxy₁₋₆; 1,2-butanediol, 2,3-dimethyln-polybutoxy₁₋₂; polyethoxy₁₋₃; 1,2-butanediol, 2-ethyl-/ butanediol, 2-ethylpolybutoxy₁; 1,2-butanediol, 2-methyl-(Me polyethoxy₁₋₂); 1,2polypropoxy₁; 1,2-butanediol, 3,3/dimethylbutanediol, 2-methylpolyethoxy₁₋₆; 1,2-butanediol, 3,3-dimethyln-polybuto xy_{1-2} ; 1,2butanediol, 3-methyl- (Me polyethoxy₁₋₂); 1,2-butanediol, 3-methylpolypropoxy₁; 1,3-butanediol 2(Me polyethoxy₃₋₆);/1,3-butanediol polybutoxy2; 1,3-butanediol, 2,2,3polypropoxy5; 1,3-butanediol (Me polyethoxy₁₋₃); 1,3-butanediol, 2,2,3-trimethyltrimethyl-/(Me polyethoxy3-8); polypropoxy₁₋₂; 1,3-butanediol, 2,2-dimethylpolypropoxy3; 1,3-butanediol, 2,3-1,3-butanediol, 2,2-dimethyl-1,3-butanediol, 2,3-dimethylpolyethoxy3-8); (Me dimethyl-(Me polyethoxy₁₋₆); 1,3polypropoxy3; 1,3-butanediol, 2-ethyl-1,3-butanediol, polypropoxy2-3/ butanediol, 2-ethylpolybutoxy₁; 1,3-butanediol, 2-ethyl-2-methyl- (Me polyethoxy₁); 1,3butanediol, 2-ethyl-2-methyl- polypropoxyl; 1,3-butanediol, 2-ethyl-2-1/3-b/utanediol, 2-ethyl-3-methyln-polybutoxy2_4; methylpolypropoxy₁; 1,3polyethoxy₁); 1,3-butanediof, 2/ethyl-3-/nethyl-1,3-butanediol, 2n-polybutoxy2-4; butanediol, 2-ethyl-3-methyl-2-isopropylpølyethoxy1); 1,3-butanediol, isopropyl-(Me polypropoxy₁; 1,3-buta/hedio/1,//2-is/opropylp-polybutoxy₂₋₄; 1,3-1/,3-butanediol, 2-methylbutanediol, 2-methyl- 2(Me/polyethoxy1-3); polyethoxy2-9; 1,3-butanediol, 2-propy⊬ polypropoxy₄; pplypropoxy₁:/1,3-butanediol, 2-propylbutanediol, 2-propyl-/ polybutoxy₁₋₃; 1,3-butanediol, 3-methyl- 2(Me polyethoxy₁₋₃); 1,3polýpropoxy₄; 1,4-butanediol 2(Me butanediol, 3-methyl-1,4-butanediol polyethoxy2-4); 1,4-butanediol polypropoxy₄₋₅; polyethoxy₂₋₉; 1,4polybutoxy2; 1,4-butanediol, 2,2,3-trimethylpolypropoxy₁; 1,4-butanediol, 2,2,3butanediol, 2,2,3-trimethyln-polybutoxy₁₋₃; 1,4-butanediol, 2,2-dimethyl-(Me trimethylpolyethoxy₁₋₆); 1,4-putanediol, 2,2-dimethylpolypropoxy2; 1,4butanediol, 2,2-dimethyl- polybutoxy1; 1,4-butanediol, 2,3-dimethyl-(Me polyethoxy₁₋₆); 1,4-butanediol, 2,3-dimethyl- polypropoxy₂; 1,4butanediol, 2,3-dimethyl- polybutoxy1; 1,4-butanediol, 2-ethyl- (Me polyethoxy₁₋₄); 1,4-butanediol, 2-ethyl- polypropoxy₂; 1,4-butanedjól, 2-ethyl- polybutoxy₁; 1,4-butanediol, 2-ethyl-2-methyl- polyethøxy₁₋ 7; 1,4-butanediol, 2-ethyl-2-methyl- polypropoxy₁; 1,4-butanediol, 2n-polybutoxy₁₋₂; 1,4-butanediol, 2-ethyl-3-methylethyl-2-methylpolyethoxy₁₋₇; 1,4-butanediol, 2-ethyl-3-methyl- polypropoxy₁; 1,4n-polybutoxy₁₋₂; 1,4-butanediol, 2butanediol, 2-ethyl-3-methylisopropyl- polyethoxy₁₋₇; 1,4-butanediol, 2-isopropyl-/polypropoxy₁; n-polybutoxy₁₋₂; 1,\(\psi\)-butanediol, 2-1,4-butanediol, 2-isopropyl-(Me polyethoxy₆₋₁₀); 1,4-butanediol, **½**-methylmethylpolyethoxy₁); 1,4-butanediol, 2-methyl- polypropoxy₃; 1,4-butanediol, 2-methyl- polybutoxy₁; 1,4-butanediol, 2-propyl/ polyethoxy₁₋₅; 1,4n-polybutoxy₁₋₂; 1,4/butanediol, 3-ethyl-1butanediol, 2-propyl-1,4-butanediol, 3-ethyl-1-methylmethylpolyethoxy2_9; polypropoxy₁; 1,4-butanediol, 3-ethyl-1-methyl- n-polybutoxy₁₋₃; 2,3butanediol (Me polyethoxy₆₋₁₀); 2,3-butanediol 2(Me polyethoxy₁); polypropoxy₃₋₄; 2,3-bytanediol polybutoxy₁; 2,3-2,3-butanediol butanediol, 2,3-dimethyl- polyethoxy3-g; 2,3-butanediol, 2,3-dimethylpolypropoxy₁; 2,3-butanediøl, 2,3-dimethyl- n-polybutoxy₁₋₃; 2,3butanediol, 2-methyl- (Me polyethoxy₁₋₅); 2,3-butanediol, 2-methylpolypropoxy2; 2,3-butarediol, 2-methyl- polybutoxy1;

3. 1,2-pentanediol polyethoxy₃₋₁₀:/1,2-pentanediol, polypropoxy₁; 1,2pentanediol, n-polyoutoxy2-3; 1,2-pentanediol, 2-methyl polyethoxy1-3; 1,2-pentanediol,/2-methyl/n-polybutoxy1;/1,2-pentanediol, 2-methyl polyethoxy₁₋₃; 1,2-pentanedioi, 3-methy/l polybutoxy₁; pentanediol, 3-methyl/ n-polybutoxy1; 1,2-pentanediol, 4-methyl /1,2/pentanédiol, n-polybutoxy₁; #-methyl polyethoxy₁₋₃; pentanediol 2(Me/polyeth/oxy₁₋₂); 1,3-pentanediol polypropoxy₃₋₄; 2,2-dimethyl-(Me-polyethoxy₁); 1,3-pentanediol, 1,3-pentanediol, polypropoxy₁; 1,3-pentanediol, 2,2-dimethyl-2,2-dimethylpolybutoxy₂₋₄; 1,3-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁); 1,3-2,3polypropoxy₁; 1,3-pentanediol, pentanediol, 2,3-dimethyln-polybutoxy₂₋₄; 1,3-pentanediol, 2,4-dimethyl-(Medimethylpolypropoxy₁; 1,3polyethoxy₁); 1,3-pentanediol, 2,4-dimethylpentanediol, 2,4-dimethyl- n-polybutoxy2-4; 1,3-pentanediol, 2-ethyl-1,3polypropoxy1; 1,3-pentanediol, 2-ethylpolyethoxy2-9; n-polybutoxy₁₋₃; 1,3-pentanediol, 2-methylpentanediol, 2-ethyl-

2(Me-polyethoxy₁₋₆); 1,3-pentanediol, 2-methyl- polypropoxy₂₋₃;/1,3pentanediol, 2-methyl- polybutoxy₁; 1,3-pentanediol, 3,4-dimethyl-(Me-polyethoxy₁); 1,3-pentanediol, 3,4-dimethyl- polypropoxy₁; 1,3n-polybutoxy2-4; 1,3-pentanédiol, 3pentanediol, 3,4-dimethyl-3-methyl-1,3-pentanediol, (Me-polyethoxy₁₋₆); methylpolypropoxy₂₋₃; 1,3-pentanediol, 3-methylpolybytoxy1; 1,3-(Me-polyethoxy₁); 1,3-pentanediol, 4,4pentanediol, 4,4-dimethyl-4,4-dimethyl-1,3-pentanediol, polypropoxy₁; dimethylpolybutoxy₂₋₄; 1,3-pentanediol, 4-methyl- (Me-polyethoxy₁₋₆); 1,3polypropoxy2-3; 1,3-pentanediol, 4-methylpentanediol, 4-methylpolybutoxy₁; 1,4-pentanediol, $2(Me-polyethoxy_{1-2})$; 1,4-pentanediol polypropoxy₃₋₄; 1,4-pentanediol, 2,2-dimethyl- (Me-polyethoxy₁); 1,4-/ 1,4-pentanediol, 2,2polypropoxy1;/ pentanediol, 2,2-dimethyln-polybutoxy₂₋₄; 1,4-pentanediól, 2,3-dimethyl-(Medimethylpolyethoxy₁); 1,4-pentanediol, 2,3-dimethylpolypropoxy₁; 1,4n-pøjybutoxýd-4; 1,4-pentanediol, 2,4pentanediol, 2,3-dimethyl-1,4/pentanediol, 2,4-dimethyl-(Me-polyethoxy 1) dimethyln-polybutoxy₂₋₄; 1,4-2,4-dimethylpolypropoxy₁; 1,4-pentane¢íol, (Me/polyethoxy₁₋₆): 1.4-pentanediol, 2pentanediol, 2-methylmethyl- polypropoxy₂₋₃/1,4-pentanediol, 2-methyl- polybutoxy₁; 1,4-(Me-polyethoxy1); 1,4-pentanediol, 3,3pentanediol, 3,3-dimethyl-1/4-pentanediol/ 3,3-dimethylpolypropoxy₁ dimethylpolybutoxy2-4; 1,4-pentanetiól, 3/4-dimethyl- (Me-polyethoxy1); 1,4polypropoxy₁; 1,4-pentanediol, 3,4-3,4-dimethyl/ pentanediol, /1,4-pentanediol, 3-methyl-2(Men-polybutoxy2_4; dimethylpolyethoxy₁₋₆); 1,4-pentanediol, 3-methylpolypropoxy₂₋₃; 1,4pentanediol, 3-methyl- polybutoxy1; 1,4-pentanediol, 4-methyl- 2(Mepolypropoxy₂₋₃; 1,4polyethoxy₁₋₆); 1,4-pentanediol, 4-methylpolybutoxy₁; 1,5-pentanediol, (Me-4-methylpentanediol, polyethoxy₄₋₁₀); 1,5-pentanediol 2(Me-polyethoxy₁); 1,5-pentanediol polyethoxy₁₋₇; 1,5polypropoxy3; 1,5-pentanédiol, 2,2-dimethylpolypropoxy₁; 1,5-pentanediol, 2,2pentanediol, 2,2-dimethy/-2,3-dimethyl-1,5-pentanediol, n-polybutoxy₁₋₂; dimethylpolypropoxy₁; 1,5polyethoxy₁₋₇; 1,5-pentánediol, 2,3-dimethyln-polybutoxy₁₋₂; 1,5-pentanediol, 2,4pentanediol, 2,3-dimethyl-2.4-dimethyl-1,5-pentanediol, polyethoxy₁₋₇; dimethyl-

polypropoxy₁; 1,5-pentanediol, 2,4-dimethyl- n-polybutoxy₁₋₂;/1,5pentanediol, 2-ethyl- polyethoxy₁₋₅; 1,5-pentanediol, 2-ethylpolybutoxy₁₋₂; 1,5-pentanediol, 2-methyl- (Me-polyethoxy₁₋₄); 1,5pentanediol, 2-methyl- polypropoxy2; 1,5-pentanediol, 3,/3-dimethylpolyethoxy₁₋₇; 1,5-pentanediol, 3,3-dimethylpolyprópoxy₁; 1,5n-polybutoxy₁₋₂; 1,5-pentanediol, 3pentanediol, 3,3-dimethyl-1,5-pentanediol, (Me-polyethoxy₁₋₄); methylpolypropoxy2; 2,3-pentanediol, (Me-polyethoxy1-3); 2,3-pentanediol, polypropoxy₂; 2,3-pentanediol, 2-methylpolyethoxy₁₋₇; 2,3pentanediol, 2-methyl- polypropoxy₁; 2,3-pentanediol, 2-methyl- npolybutoxy₁₋₂; 2,3-pentanediol, 3-methylpolyethoxy₁₋₇; 2,3pentanediol, 3-methyl- polypropoxy₁; 2,3-pentanediol, 3-methyl- npolybutoxy₁₋₂; 2,3-pentanediol, 4-methylpolyethoxy₁₋₇; 2,3pentanediol, 4-methyl- polypropoxy1; 2/3-pentanediol, 4-methyl- npolybutoxy₁₋₂; 2,4-pentanediol, 2(Me-polyethoxy₁₋₄); 2,4-pentanediol polypropoxy₄; 2,4-pentanediol, 2,3-dimethyl- (Me-polyethoxy₁₋₄); 2,4polypropoxy); 2,4-pentanediol, 2,4pentanediol, 2,3-dimethyl-2,4-pentanediol, 2,4-dimethyl-(Me-polyethoxy (~4); dimethylpolypropoxy₂; 2,4-pentane_gaiql, 2₇methyl-/ (Me-polyethoxy₅₋₁₀); 2,4pentanediol, 2-methyl- polypropoxy3; 2,4-pentanediol, 3,3-dimethyl-(Me-polyethoxy₁₋₄); 2,4-pertanédiol, 3,3-dimethyl- polypropoxy₂; 2,4-(Me-polyethoxy5-10), 2,4-pentanediol, 3pentanediol, 3-methylmethyl- polypropoxy3;

(Me-polyethoxy₁₋₅); 1,3-hexanediol polypropoxy₂; 4. 1,3-hexanediol 1,3-hexanediol polybytoxy; 1,3-hexanediol, 2-methyl- polyethoxy2-9; 1,3-hexanediol, 2-methyl- polypropoxy1; 1,3-hexanediol, 2-methyl-1/3-hexanediol 2-methylpolybutoxy₁; 1,3n-polybutoxy1_3; polyethoxy2-9; 1,3-hexanediol, 3-methylhexanediol, 3-methylpolypropoxy₁; 1,3-hexánediol, 3-methyln-polybutoxy₁₋₃; 1,3polyethoxy₂₋₉; 1,3-hexanediol, 4-methylhexanediol, 4-methylpolypropoxy₁; 1,3-hexanediol, 4-methyln-polybutoxy₁₋₃; 1,3polyethoxy₂₋₉; 1,3-hexanediol, 5-methylhexanediol, 5-methylf n-polybutoxy₁₋₃; 1,4polypropoxy₁; 1,3-hexanediol, 5-methylhexanediol (Me-polyethoxy₁₋₅); 1,4-hexanediol polypropoxy₂; 1,4hexanediol polybutoxy₁; 1,4-hexanediol, 2-methyl- polyethoxy₂₋₉; 1,4-hexanediol, 2-methyl- polypropoxy₁; 1,4-hexanediol, 2-methyl- npolybutoxy₁₋₃; 1,4-hexanediol, 3-methylpolyethoxy2-9; 1,4hexanediol, 3-methyl- polypropoxy1; 1,4-hexanediol, 3-methylpolyethoxy2-9; 1,4-hexanediol, 4-methylpolybutoxy₁₋₃; hexanediol, 4-methyl- polypropoxy₁; 1,4-hexanediol, 4-methyly polyethoxy2-94 1,4-hexanediol, 5-methylpolybutoxy₁₋₃; hexanediol, 5-methyl- polypropoxy1; 1,4-hexanediol, 5-methyl-(Me-polyethoxy₁₋₅); 1,5-hexanediol polybutoxy₁₋₃; 1,5-hexanediol polypropoxy₂; 1,5-hexanediol polybutoxy₁; 1,5-hexanedjól, 2-methylpolypropoxy1; 1,5-hexanediol, 2-methylpolyethoxy2_9; n-polybutoxy₁₋₃; 1,5-hexanédiol, 3-methylhexanediol, 2-methylpolypropoxy₁; 1,5-hexanediol, 3-methylpolyethoxy2-9; n-polybutoxy₁₋₃; 1,5-hexanediol, 4-methylhexanediol, 3-methylpolypropoxy₁; 4-methyl-1,5-hexanediol, polyethoxy2-9; n-polybutoxy₁₋₃; 1,5/hexanediol, 5-methylhexanediol, 4-methyl-1,5polypropoxy₁; 5-methyl-1,5-hexanediol, polyethoxy2-9; (Me-1,6-hexanediol hexanediol, 5-methyln-polybutoxy₁₋₃; polypropoxy₁₋₂; 1,6-hexanediol npolyethoxy₁₋₂); 1,6-hexanediol 1,6-2-methylpolyethoxy₁₋₅; polybutoxy₄; 1,6-hexanediol, n-polybutexy/1-2; 1,6-hexanediol, 3-methylhexanediol, 2-methyln-polybutoxy₁₋₂; 2,3-3/methylpolyethoxy₁₋₅; 1,6-hexanediol, n-polybutoxy₁; 2,3-∕ 2,3-hexanediol polyethoxy₁₋₅; hexanediol ⊉,4-hexanediø∫ <u>.(Me-polyethoxy3</u>_8); 2,4polybutoxy₁; hexanediol 2-methyl-(Me-2,4-bexanediol, polypropoxy3;/ hexanediol polypropoxy₁₋₂; 2,4polyethoxy₁₋₂); 2,4-hexanedio 2-methylhexanediol, 3-methyl- /(Me/polyethoxy₁₋₂); 2,4-hexanediol 3-methylpolypropoxy₁₋₂; 2,4-hexanediol, 4-methyl- (Me-polyethoxy₁₋₂); 2,4hexanediol 4-methyl- polypropoxy₁₋₂; 2,4-bexanediol, 5-methyl- (Mepolyethoxy₁₋₂); 2,4-hexanediol 5-methylpolypropoxy₁₋₂; 2,5hexanediol (Me-polyethoxy3-8); 2,5-hexanediol polypropoxy3; 2,5hexanediol, 2-methyl- (Me-polyethoxy₁₋₂); 2,5-hexanediol 2-methylpolypropoxy₁₋₂; 2,5-hexanediol, 3-methyl- (Me-polyethoxy₁₋₂); 2,5hexanediol 3-methyl- polypropoxy₁₋₂; 3,4-hexanediol polyethoxy₁₋₅; 3,4-hexanediol n-polybutoxy1; 3,4-hexanediol polybutoxy1;

5. 1,3-heptanediol polyethoxy₁₋₇; 1,3-heptanediol polypropoxy₁; 1,3n-polybutoxy₁₋₂; 1,4-heptanediol polyethoxy₁₋₇; 1,4heptanediol polypropoxy₁; 1,4-heptanediol n-polybutoxy₁₋₂; 1,5heptanediol

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polyethoxy₁₋₇; 1,5-heptanediol polypropoxy₁; heptanediol n-polybutoxy₁₋₂; 1,6-heptanediol polyethoxy₁₋₇; heptanediol n-polybutoxy₁₋₂/ polypropoxy₁; 1,6-heptanediol heptanediol n-polybutoxy1; polyethoxy₁₋₂; 1,7-heptanediol heptanediol heptanediol polyethoxy3-10; 2,4-heptanediol (Me-polyethoxy1); 2,4n-polybytoxy3; 2,5polypropoxy₁; 2,4-heptanediol heptanediol heptanediol polyethoxy3-10; 2,5-heptanediol (Me-polyethoxy1); 2,5n-polybutoxy3; 2,6polypropoxy₁; 2,5-heptanediol heptanediol heptanediol polyethoxy3-10; 2,6-heptanediol (Me-polyethoxy1); 2,6n/polybutoxy3; 3,5polypropoxy₁; 2,6-heptanediol heptanediol heptanediol polyethoxy₃₋₁₀; 3,5-heptanediol (Me-polyethoxy₁); 3,5heptanediol polypropoxy₁; 3,5-heptanediol n-pólybutoxy₃;

6. 1,3-butanediol, 3-methyl-2-isopropyl- polypropoxy1; 2,4-pentanediol, 2,2-diethyl-1,37butanediol, polypropoxy₁; 2,3,3-trimethylpolyethoxy₂₋₅; 2,4-hexanediol, 2,3-dimethylpolyethoxy₂₋₅; 2,4-2,4-hexanediol, 2,5hexanediol, 2,4-dimethylpolyethoxy2-5; dimethyl- polyethoxy₂₋₅; 2,4-hexanedjól, 3,3-dimethyl- polyethoxy₂₋ pølýethoxy2-5; 2,4-hexanediol, 3,5-5; 2,4-hexanediol, 3,4-diméthyldimethyl- polyethoxy₂₋₅;/2,4-hexanediol, 4,5-dimethyl- polyethoxy₂₋ 5; 2,4-hexanediol, 5,5-dimethyl-/ polyethoxy2-5; 2,5-hexanediol, 2,3dimethyl- polyethoxy2-5; 2,5-x anediol, 2,4-dimethyl- polyethoxy2polyethoxy₂₋₅; 2,5-hexanediol, 3,3-5; 2,5-hexanediol, 2,5-dimethyldimethyl- polyethoxy2-5/2,5-hexanedlol, 3,4-dimethyl- polyethoxy2pólyethoxy₂₋₅; 1,3-butanediol, 2,2-5; 3,5-heptanediol, / 3-methyl-2,3-dimethyln-2,4-hexanediol, n-polybutoxy1-2; diethylpolybutoxy₁₋₂; 2,4 hexanediol, 2,4-dimethyln-polybutoxy₁₋₂; 2,4n-polybutoxy₁₋₂; 2,4-hexanediol, 3,3hexanediol, 2,5-dimethyl-2,4-hexanediol, 3,4-dimethylnn-polybutoxy₁₋₂; dimethyln-polybutoxy₁₋₂; 2,4polybutoxy₁₋₂, 2,4-hexanediol, 3,5-dimethyl-5,5-2,4-hexanediol, n-polybutoxy₁₋₂; 4,5-diméthylhexanediol, 2,3-dimethyln-2,5-hexanediol, n-polybutoxy1-2; dimethyl-, polybutoxy₁₋₂; 2,5/hexanediol, 2,4-dimethyl-2,5n-polybutoxy₁₋₂; n-polybutoxy₁₋₂; 2,5-hexanediol, 3,3-2,5-dimethylhexanediol, 3,4-dimethyln-2,5-hexanediol, n-pølybutoxy1-2; dimethyl-1,3polybutoxy₁₋₂; \$,5-heptanediol, 3-methyln-polybutoxy₁₋₂; propanediol, 2-(1,2-dimethylpropyl)- n-polybutoxy1; 1,3-butanediol, 2-

2-methyl-2n-polybutoxy₁; 1,3-butanediol, ethyl-2,3-dimethylisopropyl- n-polybutoxy1; 1,4-butanediol, 3-methyl-2-isopropylpolybutoxy₁; 1,3-pentanediol, 2,2,3-trimethyln-polybutoxy₁; n-polybutoxy₁; 1,3-pentanediol, 2,4,4pentanediol, 2,2,4-trimethyln-polybutoxy₁; 1,3-pentanediol, 3,4,4-trimethyl trimethylpolybutoxy₁; 1,4-pentanediol, 2,2,3-trimethyln-polybutox⁄y₁; n-polybutoxy₁; 1,4-pentanediol, 2,3,3pentanediol, 2,2,4-trimethyln-polybutoxy₁; 1,4-pentanediol, 2,3,4-trimethylntrimethyln-polybutoxy₁; 2,4polybutoxy₁; 1,4-pentanediol, 3,3,4-trimethylpentanediol, 2,3,4-trimethyl- n-polybutoxy1; 2,4-hexánediol, 4-ethyln-polybutoxy₁; 2,4-heptanediol, 2-methyln-polybutoxy₁; heptanediol, 3-methyl- n-polybutoxy1; 2,4-heptanediol, 4-methyl- nn-polybutoxy₁; 2,4polybutoxy₁; 2,4-heptanediol, 5-methylheptanediol, 6-methyl- n-polybutoxy1; 2,5-heptanediol, 2-methyl- n-2,5-heptanediol, 3-methyln-polybutoxy₁; polybutoxy₁; heptanediol, 4-methyl- n-polybutoxy1; 2,5/heptanediol, 5-methyl- n-2,6-6-methyln-polybutoxy₁; polybutoxy₁; 2,5-heptanediol, heptanediol, 2-methyl- n-polybutóxy1; 2,6-heptanediol, 3-methyl- n-4-methyl n-polybutoxy₁; 3.5-2,6-heptanedig/, polybutoxy₁; η -polybutóxy₁; 1,3-propanediol, 2-(1,2heptanediol, 2-methyldimethylpropyl)- polyethoxy1-3; 1,3-butanediol, 2-ethyl-2,3-dimethylpolyethoxy₁₋₃; 1,3-butánediol, 2-methyl-2-isopropyl-/polyethoxy1-3; 1,4-butanediol, 3-methyl-2-isoprofyl- polyethoxy₁₋₃/1,3-pentanediol, 1,3-pentanedjól, 2,2,4-trimethylpolyethoxy1./3; 2,2,3-trimethylpolyethoxy₁₋₃; 1,3/pentanedio/, 2,4,4-trimethy/- polyethoxy₁₋₃; 1,3polyethoxy₁/3; 1,4-pentanediol, 2,2,3pentanediol, 3,4,4-trimethyl-1.4-pentanediol, 2,2,4-trimethyltrimethylpolyethoxy_{1/-3}; polyethoxy₁₋₃; 1,4-pentanediol, 2,3,3-trimethyl- polyethoxy₁₋₃; 1,4polyethoxy₁₋₃; 1,4-pentanediol, 3,3,4pentanediol, 2,3,4-trimethýl-2,4-pentanediol, 2,3,4-trimethyltrimethylpolyethoxy₁₋₃; polyethoxy₁₋₃; 2,4-2,4-hexanediol, 4-ethylpolyethoxy₁₋₃; polyethoxy₁₋₃; 2,4-heptanediol, 3-methylheptanediol, 2-methyl-/ 2,4-héptanediol, polyethoxy₁₋₃; 4-methylpolyethoxy₁₋₃; polyethoxy₁₋₃; 2,4-heptanediol, 6-methylheptanediol, 5-methylpolyethoxy₁₋₃; 2,5-heptanediol, 2-methylpolyethoxy₁₋₃; 2,5polyethoxy₁₋₃; 2,5-heptanediol, 4-methylheptanediol. 3-methylpolyethoxy₁₋₃; 2,5-heptanediol, 5-methyl- polyethoxy₁₋₃; 2,5-heptanediol, 6-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 2-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 3-methyl- polyethoxy₁₋₃; 2,6-heptanediol, 4-methyl- polyethoxy₁₋₃; and/or 3,5-heptanediol, 2-methyl- polyethoxy₁₋₃; and

7. mixtures thereof;

- IX. aromatic diols selected from the group consisting of: 1-phenyl-1,2-ethanediol; 1-phenyl-1,2-propanediol; 2-phenyl-1,2-propanediol; 3-phenyl-1,2-propanediol; 1-(3-methylphenyl)-1,3-propanediol; 1-(4-methylphenyl)-1,3-propanediol; 2-methyl-1-phenyl-1,3-propanediol; 1-phenyl-1,3-butanediol; 3-phenyl-1,3-butanediol; 1-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol; 2-phenyl-1,4-butanediol;
- X. unsaturated solvents which have a ClogP value of from about 0.15 to about 0.64 and are homologs, or analogs, of the above structures where one, or more, CH₂ groups are added while, for each CH₂ group added, two hydrogen atoms are removed from adjacent carbon atoms in the molecule to form one carbon-carbon double bond, thus holding the number of hydrogen atoms for the molecule constant; and
- XI. mixtures thereof, said principal solvent optionally containing amounts of solvents selected from the group consisting of: n-propanol; 2,2,4-trimethyl-1,3-pentane diol; the ethoxylate, diethoxylate, or triethoxylate derivatives of 2,2,4-trimethyl-1,3-pentane diol; 2-ethylhexyl-1,3-diol and mixtures thereof which are insufficient to provide an aqueous stable product;
- C. optionally, an effective level, sufficient to improve clarity, of low molecular weight water soluble solvents selected from the group consisting of: ethanol, isopropanol, propylene glycol, 1,3-propanediol, propylene carbonate, and mixtures thereof, said water soluble solvents being incapable of forming clear compositions when used by themselves at that level;
- D. optionally, but preferably, an effective amount to improve clarity, of water soluble calcium and/or magnesium salt; and
- E. the balance being water
- 139. A premix of the components of Claim 124 consisting essentially of: said biodegradable fabric softener active A.; said principal solvent B.; and optionally, said water soluble solvent C, the amount of water being less than is present in the final composition.

- 140. A process of making a clear fabric softening composition using the premix of Claim 139, the process comprising the steps of adding said premix to a water seat comprising water; acid to create a pH of from about 1.5 to about 5; and, optionally, adding an effective amount to improve stability or modify viscosity of water soluble calcium and/or magnesium salt.
- 141. The process of making a solvent mixture of Claim 129, comprising the condensation of butyraldehyde, isobutyraldehyde and/or methyl ethyl ketone, so long as the level of butyraldehyde, or isobutyraldehyde is less than about 95% of the reaction mixture, in the presence of highly alkaline catalyst followed by conversion by hydrogenation.
- 142. The process of Claim 141, wherein the level of butyraldehyde, or isobutyraldehyde is less than about 85% of the reaction mixture.
- 143. The process of Claim 142, wherein the level of butyraldehyde, or isobutyraldehyde is less than about 80% of the reaction mixture.
- 144. The mixture prepared by the process of Claim /41
- 145. An aqueous, stable, fabric softener composition comprising:
 - A. from about 2% to about 80% of fabric softener active selected from the group consisting of:
 - 1. fabric softener compound having the formula:

$$\left[(R)_{4-m} - N^{(+)} - [(CH_2)_n - Y - R^{-1}]_m \right] X^{(-)}$$
(1)

wherein each R substituent is H, or a short chain C₁-C₆ alkyl or hydroxyalkyl group, benzyl or mixtures thereof;

each m is 2 or 3;

each n is from 1 to about 4;

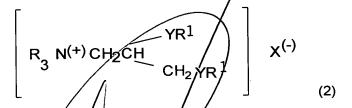
each Y is -O-(O)C-, /-(R)N-(O)C-, -C(O)-N(R)-, or -C(O)-O-, but not -OC(O)O-;

each R¹ being a long chain hydrocarbyl, or substituted hydrocarbyl substituent group;

the sum of carbons in each R^1 , or YR^1 when Y is -O-(O)C- or -(R)N-(O)C-, is C_6 - C_{22} , and when the sum of carbons in one R^1 , or YR^1 , is less than about 12, then the said sum of carbon atoms in the other R^1 , or YR^1 , is at least about 16,

and when R^1 , or YR^1 , is a C_{16} - C_{20} hydrocarbyl or substituted hydrocarbyl substituent group, the lodine Value of a YR^1 fatty acid which contains this R^1 group is from about 20 to about 140, and when R^1 , or YR^1 , is a C_8 - C_{14} , hydrocarbyl, or substituted hydrocarbyl substituent group, the lodine Value of a fatty acid which contains this R^1 group is about 10 or less;

2. fabric softener compound having the formula:



wherein each Y, R, R¹, and X⁽⁻⁾ have the same meanings as before; and

3. mixtures thereof;

- B. less than about 40% by weight of the composition of principal solvent having a ClogP of from about 0.15 to about 0.64, and which are not symmetrical, said principal solvent optionally comprising levels of solvents selected from the group consisting of: 2,2,4-trimethyl-1,3-pentane diol; the ethoxylate, diethoxylate, or triethoxylate derivatives of 2,2,4-trimethyl-1,3-pentane diol; 2-ethylhexyl-1,3-diol, and mixtures thereof, which are insufficient to provide an aqueous stable composition when used by themselves at said levels;
- C. optionally, an effective level, sufficient to improve clarity, of low molecular weight water soluble solvents selected from the group consisting of: ethanol, isopropanol, propylene glycol, 1,3-propanediol, and propylene carbonate, and mixtures thereof, said water soluble solvents being at a level that will not form clear compositions when used by themselves at that level;
- D. optionally, an effective amount to improve clarity, of water soluble calcium and/or magnesium salt; and
- E. the balance being water.